

## SEQUENCE LISTING

<110> Bangur, Chaitanya  
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<120> COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 DIAGNOSIS OF LUNG CANCER

<130> 210121.478C16

<140> US

<141> 2001-05-03

<160> 1926

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<212> DNA

<213> Homo sapien

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<213> Homo sapien

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gccattgtgg	tgactgatgg	agagcgtatt	cttggccttg	gagacottgg	ctgtaatgga	240
atgggcatcc	ctgtgggtaa	attggctcta	tatacagctt	gcggagggat	gaatcctcaa	300
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<212> DNA

<213> Homo sapien

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<210> 8

<211> 406

<212> DNA

<213> Homo sapien

<400> 8

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ctgtgttaaa	gatgctgcta	atgtcagtc	ctgggtgcac	taaaggatct	cttattttat	180
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aggacaaatt	aaaagggggg	aagagcctta	tcatgatgag	gagtcttggt	ttgacatctt	360
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<210> 9

<211> 330

<212> DNA

<213> Homo sapien

<400> 9

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<210> 10

<211> 449

<212> DNA

<213> Homo sapien

<400> 10

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<210> 11

<211> 472

<212> DNA

<213> Homo sapien

<400> 11

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cgaaataaat	accagactgt	ccactcctca	gcctaaggtc	cttctcaagt	cctgcacact	420
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<210> 12

<211> 371

<212> DNA

<213> Homo sapien

<400> 12

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<210> 13

<211> 493

<212> DNA

<213> Homo sapien

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<221> misc\_feature

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<400> 13

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agcaatcccg ccgagcttct ttgagacgtc ctcaggtgtc ctttgacgat gcgtcctcca 420
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<212> DNA
<213> Homo sapien

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tgtctttgta ttctggtaca tcgtcgtact gcacactttt cttttagtag gatctgaagg 480
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<210> 15
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<212> DNA
<213> Homo sapien

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<400> 15
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g 421

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<210> 16
<211> 236
<212> DNA
<213> Homo sapien

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gaagtgggcc attcctttgt ctgaaggagc gacaggagca tctacggttg agaagacaga 180
aagtttggct tcgtcgatgt cttgctgtgt gaattttcca gacttagccc agtcga 236

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<210> 17
<211> 424
<212> DNA
<213> Homo sapien

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atgg						424

&lt;210&gt; 18

&lt;211&gt; 154

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 18

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cacaagagac	ttaaaggaca	ggaggaggag	atgg			154

&lt;210&gt; 19

&lt;211&gt; 445

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 19

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aattaaagtt	gaacaaattg	aagcagggac	accaggccga	ctcagagtag	tagctcagtc	120
caccaatagt	gaggaaatca	ttgaaggaga	atataatag	gtgatgctgg	caataggaag	180
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&lt;210&gt; 20

&lt;211&gt; 211

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 20

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ctgggttcgt	cccagtgag	accggaggat	gatcccccaa	ggactgcgca	gcatcagctc	180
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&lt;210&gt; 21

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 21

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agctcagaag	gctaaatgaa	tattatccct	aatacctgcc	acccactct	taatcagtg	360
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tctacatctc	cattatataa	taggatctgg	gatttctgtg	agctaagcag	cttcagatac	240
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 <212> DNA  
 <213> Homo sapien

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atggagggag	gattttatgg	agaaatgggg	atagtcctca	tgaccacaaa	taaataaagg	180
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gggattcatt	ggcaataaat	ttcagtggtg	tgtattatta	aatagaaaaa	aaaaattttg	540
tttcctaggt	tgaaggtcta	attgatacgt	ttgacttatg	atgaccattt	atgcactttc	600
aatgaattt	gctttcaaaa	taaatagaaga	gcag			634

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 <213> Homo sapien

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aagactgaca	cagataaaaa	ggaattagac	ccaaatcagt	gaacaggaat	gaaatagagg	180
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gtgctcataa	atgtgacaat	gtagaggaaa	tatctttagt	tttaattagc	tttttatitt	300
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tgtaggcata	cctcagagat	gtggcggatt	tggtttcaga	ctactgcaat	aaaccaaata	420
tggcaataaa	aggagtcaca	gaaagtgggt	tcccagtgtg	tatatataaa	agttacattt	480
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<211> 461  
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 <213> Homo sapien

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aaagaacatt	cgtggtggtt	tagtgatgag	gttaatatcc	ccctcttgtc	cacctccaca	180
ttggaaaaac	cacgttggac	tgagttttga	ggagcaaaga	actaatcact	tgaccaaagg	240
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ggatacctga	aaatgtgatt	ttatatattc	ttggcatcca	ggggagaaaa	atcaaaaagc	360
aaggaagtta	cagttatctc	cccagaaatt	aatgggtcat	gtcaagacta	taggttttca	420
tttccttctg	ttgcttggtt	gaatgatgtt	cttgtgggaa	a		461

<210> 26  
 <211> 317  
 <212> DNA  
 <213> Homo sapien

<400> 26

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atgaatttca	cgaggctatc	atctaacagt	gggggctttc	tacacacgtg	gtgccaaaat	180
gtgtcattct	gagtcaattg	caattcctct	ctaggagtga	aaagagataa	aagataagcc	240
aagaaccctg	gacagattct	tggtgttggt	gacaaagagg	aaaggacctg	agaatggggc	300
tggtggggag	aggggggg					317

<210> 27  
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 <212> DNA  
 <213> Homo sapien

<400> 27

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ttcttccatt	attttttcct	cctaccactg	agttttgtaa	tgaattcctt	gtgtatacaa	180
gcaatacagg	tgaataactaa	actgttattt	ttagcttctt	caaaagctat	tttagaaagc	240
ttcctggaaa						250

<210> 28  
 <211> 532  
 <212> DNA  
 <213> Homo sapien

<400> 28

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tgctgtctcc	cttgccacaa	ctctgaccaa	gattgcattg	cgctatgtag	ctttgggttca	180
ggagaagaaa	aagcaaaaatt	cttttgtttg	tgaggctatg	ttgctcatgg	ctactatcct	240
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ttccctgtgc	ctcaagggtc	tgtctgaatg	ttcaccttta	atgaatgaca	ttttcaataa	360
ggaatgcaga	cagtcctttt	ctcacatgtt	atctgctaaa	ctagaagaag	agaaattatc	420
ccaaaagaaa	gaatctgaaa	agaggaatgt	gacagtacag	cctgatgacc	ccatttcctt	480
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<210> 29  
 <211> 486  
 <212> DNA  
 <213> Homo sapien

<400> 29

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ttgatctccc	acacccaaaag	agaaaataat	atztatatgg	aagtaatttt	attttagtgt	180
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tctacaactt	caaagatatt	tgcaaaaata	atacaactgt	tgaagttcaa	atgttatgga	360
aagaaacatt	agaagtatga	aaagtgggtac	aaaaacatgt	ttctttttat	tctcttggt	420
atatatctat	atatttagga	aaatacatat	atgtatgtgt	atgtatatat	atgtatgaaa	480
atatac						486

<210> 30  
 <211> 240  
 <212> DNA  
 <213> Homo sapien

<400> 30

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gggttctata	actgcatccc	ccacacatct	ttcaccacca	ccccatacat	accagctctc	180
ctgttggtggg	attcaggaca	taggaagagt	tgctgaaggc	acgggtgctt	ttgggattcg	240

<210> 31  
 <211> 233  
 <212> DNA  
 <213> Homo sapien

<400> 31

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tcgtcagcaa	gttgtggccc	actttctttg	agagaccctt	tgtgaggaaa	gcctttgaga	180
agaccctcaa	ggacctgaag	ctgagctatc	tggacgtcta	tcttattcac	tgg	233

<210> 32  
 <211> 233  
 <212> DNA  
 <213> Homo sapien

<400> 32

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ctgtgtgtac	tctgtccagt	tcctttagaa	aaaatggatg	cccagaggac	tcccaacctt	120
ggcttggggg	caagaaacag	ccagcaagag	ttaggggcct	tagggcactg	ggctgttgtt	180
ccattgaagc	cgactctggc	cctggccctt	acttgcttct	ctagctctct	agg	233

<210> 33  
 <211> 319  
 <212> DNA  
 <213> Homo sapien

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 cgaaggagat ctggctctccc acaatgaagg tcttgccctcc ctgggttctgg gacagcaggg 180  
 tctcaaaagg cttcagttgc ccgggcagtg ccttcacata gtcatccttg cccacctcat 240  
 agttgg 246

<210> 38  
 <211> 512  
 <212> DNA  
 <213> Homo sapien

<400> 38  
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 ctgtcagttg acgacagcga caaaaccaat ggggccaaag ttgatgtaat ccaagttcgt 180  
 cctttgtagg aatgaagaat ggcaacgaaa gatggggcct taaattggat gccacttttg 240  
 gactttcatc ataagaagtg tctggaatac ccgttctatg taatatcaac agaaccttgt 300  
 ggtccagcag gaaatccgaa ttgcccatac gctcttgggc ctccaggaaga ggttgaacaa 360  
 aaacaaattc ttttaattca acgggtgctt tacataatga aaaaaccact tgtggcacac 420  
 gatgggcata taacatcatc atcttctaata gtgttggaga ttttcatttc aaatatattt 480  
 tttaaattac tctattttcc aaaacacgta at 512

<210> 39  
 <211> 370  
 <212> DNA  
 <213> Homo sapien

<400> 39  
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 tgccctycca tctccctaac cccccctcac agggatgcct cctcccaagg ctccagaaac 180  
 tctgaccctc gactgctgg agggagccca tgaattgctg gtcaatatcg ctcatcctct 240  
 akactocate ctgctgtgtc ttcttctaata aagagctaga gaggcactga ctgataaata 300  
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 tcttaaatgg 370

<210> 40  
 <211> 204  
 <212> DNA  
 <213> Homo sapien

<400> 40  
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 ggagcagagc agaccttggt tttagtgggt ccatgggata aaatgggatt ggaggagcta 120  
 gaagaattca gggctctggc caatctgccg gtcttcttga aatatcgaaa atacaccagg 180  
 gctgctatat cagagccacc ctgg 204

<210> 41  
 <211> 447  
 <212> DNA  
 <213> Homo sapien

<400> 41  
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 tcaagcaagc acttgacaag attccacagg ccatagagat tttcttctga gaagaatttg 120

tgtttaattt	tttgatacca	acactgaaca	ttcatcaggg	aactttcctg	aagttcagct	180
caagactacc	ctacctgctg	tgtttgtgag	aagagtagga	tcacacacac	aggtgcaatc	240
ttgaccacac	ttacctgcaa	gaggagtaac	cagaggacac	acttccttcc	ttctttggtg	300
tctgaggagt	gtgaactggt	ggggtcagtt	aagaccaaac	ataactctat	cagaagaaaa	360
ctgttgtttg	cctttcaacc	ttgttttaca	gttctgcagt	gtagtggagg	acgggcaacg	420
tgcatgtgca	ggctcaccac	tcccagg				447

<210> 42  
 <211> 498  
 <212> DNA  
 <213> Homo sapien

<400> 42						
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ataccocaaa	aggattttat	cttggtgtat	atattaaatg	ttatttctgc	atatagggtc	180
ttttatggag	aaactgatga	tgataagctt	aatactcact	tgtttagcag	catctgaatg	240
cacaaatgct	ttatatactt	cttctgcttt	acagggcaaa	agatcagact	ctgttttctt	300
atagtcttca	caagccagcc	agaactcaat	attctcctca	ctgaattcag	actttaggaa	360
acttccaaag	acattttgac	cagtttggtt	ggcaagaagt	ttttccagag	attgagacca	420
ttgcattact	tcagcagcag	aaagtacatc	cttggacttg	gaagatttca	ttccagattc	480
cagatgtggg	atcataga					498

<210> 43  
 <211> 312  
 <212> DNA  
 <213> Homo sapien

<400> 43						
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ttcatgacag	tgtctgggct	gccaaagaag	cagtgccctt	gtgatcattt	caagggcaat	120
gtgaagaaaa	caagacacca	aaggcaccac	agaaagccaa	acaagcattc	cagagcctgc	180
cagcaatttc	tcaaacaatg	tcagctaaga	agctttgtct	tgcttttgta	ggagctctga	240
gcgcccactc	ttccaattaa	acattctcag	ccaagaagac	agtgagcaca	cctaccagac	300
actcttcttc	tc					312

<210> 44  
 <211> 417  
 <212> DNA  
 <213> Homo sapien

<400> 44						
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ccttctcaag	ccatgtctca	gagctgagag	gcattcccagc	aagttttgca	gctcacagtt	120
ttttcogtaa	attacttatt	ctataaaatt	ggagtaggcc	ataaaactttg	gagggcccta	180
gaccaatttt	ttggattatt	tttctgtctt	tatcattccg	ctgatottag	atattctctg	240
cattaaatat	taaatatcac	ttctaggctg	aaaaatcccc	ctaaaaatat	ttctagctca	300
gatttttctt	ccaaattctg	caatagaaga	tcacaatgtg	aactctgoat	ctccatgtta	360
aagtctaagt	gacattcaca	cttagcatgt	ctcaaagaaa	tctcatgtaa	accatgg	417

<210> 45  
 <211> 494  
 <212> DNA  
 <213> Homo sapien

&lt;400&gt; 45

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gtgtgcatgc	atgtgtgcag	gagcttgca	gtttgtgggt	ggtacatgta	catatgtgag	180
tgatcctgtg	tgcaagcccc	catgtggaca	tggtatgag	tgagcgtgga	gccaaaagcc	240
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gtgtgaatca	gtgaccgtgt	ctctgaccaa	catgctgaat	tacaaattga	taatttatta	420
acctgtgcag	caacaaataa	gatttttcaa	aactcaacaa	agtgtctcaa	gttgacatta	480
cttgcttcaa	agtt					494

&lt;210&gt; 46

&lt;211&gt; 516

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 46

ccagtccaac	ctgctcctca	ttattgtata	aatgagcaga	atctatatgg	cggaacccag	60
cttctattgc	taattttgtg	acctccaaag	ctttacttct	cggaacctcc	tcctttggcc	120
gtcatttgat	cattcaactc	tttgtcagtg	gcaactccc	ctattttggg	gtgttggttt	180
gttactacac	agtgagcaca	aacatgggtg	tccaatacag	aggctcttcc	tgtcaggtgt	240
caaccagaaa	gttcatctaa	cactgtgata	tttgcaccc	tcttgaacag	ttgttggtgt	300
aagattcatt	tgatgaatcg	atttttcaaa	agagatgatt	cttggttctt	ccgagcgctc	360
agctctcccg	ccgagcttct	ttgagacgtc	ctcaggtgtc	ctttgacgat	gcgtcctcca	420
ctttcacaca	ctctagcatt	ccttcaactg	ggtcttcatt	gccccacatt	gggcagccag	480
gaatgttggt	gtgatcagac	acaacaccag	gtcatg			516

&lt;210&gt; 47

&lt;211&gt; 459

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 47

ccaattcaga	gtggcattct	gcatttctgt	ggcttccaag	tcttagaacc	tcaactgaca	60
tatagcattg	ggcacactcc	agcagacgcc	cgaattcaaa	tcctggaagg	atggaagaaa	120
cgcttgagga	atattttgga	tgagacacca	ctgtattttg	ctccaagcag	cctctttgac	180
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aaattttggc	tttctgtggg	ccatcacttg	ggcaagtcca	tccaactga	caaccagatc	300
aaagctagaa	aatgagattc	cttagcctgg	atttccttct	aacatgttat	caaactctgg	360
tatctttcca	ggcttccctg	acttgcttta	gtttttaaga	tttgtgtttt	tctttttcca	420
caaggaataa	atgagagggg	atcgaksaaa	aaaaaaaaa			459

&lt;210&gt; 48

&lt;211&gt; 430

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 48

cctatatcca	gccacagcct	ctgggagtg	tgctgataat	cggagcttgg	aattaccctt	60
tcgttctcac	cattcagcca	ctgataggag	ccatcgctgc	aggaaatgct	gtgattataa	120
agccttctga	actgagtga	aatacagcca	agatcttggc	aaagcttctc	cctcagtatt	180
tagaccagga	tctctatatt	gttattaatg	gtgggtgtga	ggaaaccaag	gagctcctga	240
agcagcgatt	tgaccacatt	ttctatacgg	gaaacactgc	ggttggtcaa	attgtcatgg	300

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<210> 49
<211> 288
<212> DNA
<213> Homo sapien
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<210> 50
<211> 411
<212> DNA
<213> Homo sapien
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<210> 51
<211> 503
<212> DNA
<213> Homo sapien
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<210> 52
<211> 503
<212> DNA
<213> Homo sapien
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<400> 52  
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tcagttgtaa	ataatgaatt	agggggccaaa	atgcaaaaacg	aaaaatgaag	cagctacatg	180
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atattgtact	tttttcatta	ttgatggttt	ggactttaat	aagagaaatt	ccatagtttt	300
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acagaagtga	atgcttata	atattatgat	agccttaaac	ctttttcctc	taatgcctta	420
actgtcaaat	aattataacc	ttttaaagca	taggactata	gtcagcatgc	tagactgaga	480
ggtaaact	gatgcaatta	aga				503

<210> 53  
 <211> 531  
 <212> DNA  
 <213> Homo sapien

<400> 53

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ccgcccatca	gaacagtgat	actctcccaa	cagatttcat	ccaccccgtc	tccactaact	180
tttgccataa	aaattcctct	gaattgtatc	ttcttggaag	aagtaaata	ctgttcgact	240
atacaaagaa	acagagaaac	cactccatt	gcaatcaatc	ttcaagagag	ggagcaggca	300
agccgtgttc	tttctgtgta	gttttataga	ctctgacaag	ctgtgaaata	aacataaaca	360
gaagacaaaa	cagtgcaca	aataagcagt	agatgaccct	gtgacaagac	ggcattgcag	420
aacaaagact	gacgtttaa	ggggagtc	gcagagtaac	atgggaacac	aagcctgaca	480
acctggctcag	cttcactta	ctctagctcc	tttgaactct	caacactaaa	a	531

<210> 54  
 <211> 450  
 <212> DNA  
 <213> Homo sapien

<400> 54

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aggcatttaa	agatgtttct	ggcattttct	ttttatttgt	aaggtggtgg	taactatggt	180
tattggctag	aaatcctgag	ttttcaactg	tatatatcta	tagtttgtaa	aaagaacaaa	240
acaaccgaga	caaacccttg	atgctccttg	ctcggcgctg	aggctgtggg	gaagatgcct	300
tttgggagag	gctgtagctc	agggcggtgca	ctgtgaggct	ggacctgttg	actctgcagg	360
gggcatccat	ttagcttcag	gttgtcttgt	ttctgtatat	agtgacatag	cattctgctg	420
ccatotttagc	tgtggacaaa	gggggggtcag				450

<210> 55  
 <211> 648  
 <212> DNA  
 <213> Homo sapien

<400> 55

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caagtcaaaa	gacattgttc	tggttgccta	tagtgctctg	ggatcccacc	gagaagaacc	180
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aaagcacaag	cgaaccccag	ccctgattgc	cctgcgctac	cagctrcagc	gtggggttgt	300
ggtcctggcc	aagagctaca	atgagcagcg	catcagacag	aacgtgcagg	tgtttgaatt	360
ccagttgact	tcagaggaga	tgaagccat	agatggccta	aacagaaatg	tgcgatattt	420
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agggcattgc	atgaggtctg	ccagaaggcc	ctgcgtgtgg	atggtgacac	agaggatggc	540

tctatgctgg tgactggaca catcgctctt ggttaaactct ctctgcttg gygayttcag 600  
caagctacag caaagcccat tggccggaaa aaatatcaag ggtcaaat 648

<210> 56  
<211> 536  
<212> DNA  
<213> Homo sapien

<400> 56  
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aaactataga actcttcatt gtcagcaaag caaagagtca ctgcatcaat gaaagttcaa 120  
gaacctcctg tacttaaaaca cgattcgcaa cgttctgtta tttttttgt atgttttagaa 180  
tgctgaaatg tttttgaagt taaataaaca gtattacatt tttaaaactc ttctctatta 240  
taacagtcaa tttctgactc acagcagtga acaaaccctc actccattgt atttgagac 300  
tggcctccct ataaatgtgg tagcttcttt tattactcag tggacctgcc cgggcggccg 360  
ctcgaagccg aattccagca cactggcggc cgttactagt ggatccgagc tcggtaccaa 420  
gcttgccgt aatcatggc atagctgttt cctgtgtgaa attgttatcc gtcacaatt 480  
ccacacaaca tacgagccgg aagcataaag tgtaaagcct ggggtgccta atgagt 536

<210> 57  
<211> 391  
<212> DNA  
<213> Homo sapien

<400> 57  
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aatttgaaga ccagatcatg ggtggtctgc atgtgaatga acaggaatga gccggacagc 180  
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tctccatcta ccaccatcca ccagtctatt tatttgtcta gttggatttc atttcttctg 300  
gaaaatttat tgtttatttg catgtgaccc ttgactgatg gtttcattag cattytgttt 360  
ttcttttttg atocttaata gaaaactcaa t 391

<210> 58  
<211> 455  
<212> DNA  
<213> Homo sapien

<400> 58  
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catctagaaa gaagcgctta agatgtggca gccctcttc ttcaagtggc tcttgtcctg 180  
ttgccctggg agttctcaaa ttgctgcagc agcctccacc cagcctgagg atgacatcaa 240  
tacacagagg aagaagagtc aggaaaagat gagagaagtt acagactctc ctgggcgacc 300  
ccgagagctt accattcttc agacttcttc acatggtgct aacagatttg ttctaaaag 360  
taaagctcta gaggcgtca aattggcaat agaagccggg ttccaccata ttgattctgc 420  
acatgtttac aataatgagg agcaggttgg actgg 455

<210> 59  
<211> 398  
<212> DNA  
<213> Homo sapien

<220>

<400> 59

<210> 60

<212> DNA

<400> 60

<210> 61

<211> 466

<212> DNA

<400> 61

<210> 62

<211> 548

<212> DNA

<400> 62

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caccaagttc	tgatatcttt	taaagacata	gttcaaaatt	gcttttgaaa	atctgtattc	180
ttgaaaatat	ccttgttgtg	tatttaggttt	ttaaatacca	gctaaaggat	tacctcactg	240

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gtttatggta aactctttta aagaaaattt aatatgttat agctgaatct ttttggtaac 420
tttaaatctt tatcatagac tctgtacata tggtcaaatt agctgcttgc ctgatgtgtg 480
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aagatttc 548

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<210> 63
<211> 547
<212> DNA
<213> Homo sapien

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<400> 63
tttccaaagc ggagacttcc gacttcctta caggatgagg ctgggcattg cctgggacag 60
cctatgtaag gccatgtgcc ccttgcccta acaactcaet gcagtgtctt tcatagacac 120
atcttgagc atttttctta aggctatgct tcagtttttc tttgtaagcc atcacaagcc 180
atagtggtag gtttgccctt tggtagacaa ggtgagttaa agctgggtgga aaaggcttat 240
tgcattgcat tcagagtaac ctgtgtgcat actctagaag agtagggaaa ataagtcttg 300
ttacaattcg acctaatatg tgcattgtaa aataaatgcc atatttcaaa caaacacagt 360
aattttttta cagtatgttt tattaccttt tgatatctgt tgttgcaatg ttagtgatgt 420
tttaaaatgt gatcgaaaat ataagtcttc taagaaggaa cagtagtgga atgaatgtct 480
aaaagatctt tatgtgttta tggctctgcag aaggattttt gtgatgaaag gggatttttt 540
gaaaaat 547

```

```

<210> 64
<211> 528
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(528)
<223> n = A,T,C or G

```

```

<400> 64
cacctmctcc cscwgggcgc ttwtctsgac gccttgccca scggggccgcc cgacccctg 60
srccatggac cccgctcgcc csctggggmt gtygatcktg ctgcttttcc tgrckgaggc 120
tgcactgggc gatgctgac argagccaac aggaaataac rcggagatct gkctcctgcc 180
cctagactac kgacctgcc kggccctact tytccgytac tactacgaca ggyacacgca 240
gagctgccgc cwgttctgk rckggggctg crasggcaac rccaacwatt yctacacckg 300
kgaggmttrc gackatgctw gstggargat agaaaaagtt cccaaasttt gccggctgma 360
agtgaatgag gacnaccagg gtgaggggta cacagataag tatttcttta atctaakkwc 420
catgacatgw gaaaaattct ttncgggtgg gngtcaccgg accggattga gaacangttt 480
gcagatgang ctactgggat gggctcctgc rcacnaaaga aantatca 528

```

```

<210> 65
<211> 547
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(547)
<223> n = A,T,C or G

```

T.O.E.O.S.O. 92954350



&lt;400&gt; 65

kgaatgaasa	acgaacgctg	gaagtagaaa	tagagcctgg	ggtgagagac	ggcatggagt	60
acccctttat	tggagaaggt	gagcctcacg	tggatgggga	gcctggagat	ttacggttcc	120
gaatcaaagt	tgtcaagcac	ccaatatattg	aaaggagagg	agatgatttg	tacacaaatg	180
tgacagtctc	attagttgag	tactggttg	gctttgagat	ggatattact	cacttggatg	240
gtcacaaggt	acatatttcc	cgggataaga	tcaccaggcc	aggagcgaag	ctatggaaga	300
aaggggaagg	gctccccaac	tttgacaaca	acaatatcaa	gggctctttg	ataatcactt	360
ttgatgtgga	ttttccaaaa	gaacagttaa	cagaggaagc	gagagaangt	atcaaacagc	420
tactgaaaca	agggtcagtg	cagaagggtat	acaatggact	gcaaggatat	tgagagtgaa	480
taaaattgga	ctttgtttta	aataaagtga	ataagcgata	tttattatct	gcaagggttt	540
ttttgtg						547

&lt;210&gt; 66

&lt;211&gt; 535

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 66

ggggaggtct	acgcttctag	agcttgagcc	agcggggcga	ccctgcagtg	gcaggactcg	60
gcaccgcgcc	ctccaccgcc	ggttggtggc	ctgcgtgaca	gtttcctccc	gtcgacatcg	120
aaagggaagg	ggacgtgggc	gggcagagag	cttcacgcga	gtaggaatgg	cagccccatc	180
tatgaaggaa	agacaggtct	gctggggggc	cgggatgag	tactggaagt	gtttagatga	240
gaacttagag	gatgcttctc	aatgcaagaa	gttaagaagc	tctttcgaat	caagttgtcc	300
ccaacagtgg	ataaaatatt	ttgataaaag	aagagactac	ttaaaattca	aagaaaaatt	360
tgaagcagga	caatttgagc	cttcagaaac	aactgcaaaa	tcctaggctg	ttcataaaga	420
ttgaaagtat	tctttctgga	cattgaaaaa	gctccactga	ctatggaaca	gtaatagttt	480
gaatcatagt	gaacatcaat	acttgttccc	tatatacgac	acttgataat	taaga	535

&lt;210&gt; 67

&lt;211&gt; 527

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 67

atttctgcca	cttaattcaa	acagtcatat	gcaggtcgct	taattttattt	gtgcttttgt	60
ttcatcttct	acaaggccct	cttagctcta	aaacttgaca	gtggaataag	gaaatgtttt	120
tccaaatctg	cattgcccgt	gagatcctca	acatcagcat	gttgagatgg	acctcaacct	180
caccttaaac	cctgaaacac	actactcgat	attatcttag	gtatgtttta	gggtttagtt	240
tgtaaaataa	taattttattt	ttgaaggaaa	tataaaatat	taaagagtaa	taatagctat	300
cattttttta	gattcaatct	aaaacaatgg	actctttttt	tttccatttg	tgatgtagat	360
aagcaagaca	attttgatca	tgagtgggtga	aaagaggatc	aaacttgact	attcttgcaa	420
tggcagtgca	gcaacaagcc	tttcattttac	attaaattat	aacttttcat	tcattcctaa	480
accaaactta	aaattctgct	ttcctttgag	tagaagggtat	tttaactt		527

&lt;210&gt; 68

&lt;211&gt; 431

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 68

gggaaacttc	atggggtttcc	tcatctgtca	tgctgatgat	tatatatgga	tacatttaca	60
aaaataaaaa	gcggggaattt	tcccttcgct	tgaatattat	ccctgtatat	tgcatgaatg	120
agagatttcc	catattttcca	tcagagtaat	aaatatactt	gctttaatto	ttaagcataa	180

```
<210> 69
<211> 399
<212> DNA
<213> Homo sapien
```

```
<210> 70
<211> 479
<212> DNA
<213> Homo sapien
```

```
<210> 71
<211> 437
<212> DNA
<213> Homo sapien
```

```
<210> 72
<211> 561
<212> DNA
<213> Homo sapien
```

&lt;400&gt; 72

ggatgggtata	ctgttaaattc	agcatatgga	gataaccatta	tcataaccttg	cggacttgac	60
gtacctcaga	atctcatgtt	tggcaaatgg	aaatatgaaa	agcccgatgg	ctccccagta	120
tttattgcct	tcagatcctc	tacaaaagaaa	agtgtgcagt	acgacgatgt	accagaatac	180
aaagacagat	tgaacctctc	agaaaactac	actttgtcta	tcagtaaatgc	aaggatcagt	240
gatgaaaaga	gatttgtgtg	catgctagta	actgaggaca	acgtgtttga	ggcacctaca	300
atagtcaagg	tgttcaagca	accatctaaa	cctgaaattg	taagcaaagc	actgtttctc	360
gaaacagagc	agctaaaaaa	gttgggtgac	tgcatttcag	aagacagtta	tccagatggc	420
aatatcacat	ggtacaggaa	tggaaaagtg	ctacatcccc	ttgaaggagc	ggtggtcata	480
atttttaaaa	aggaaatgga	cccagtgact	cagctctata	ccatgacttc	caccctggag	540
tacaagacaa	ccaaggtgta	c				561

&lt;210&gt; 73

&lt;211&gt; 916

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 73

ggagaaaaata	aggtggagtc	ctacttgttt	aaaaaatatg	tatctaagaa	tgttctaggg	60
cactctggga	acctataaag	gcaggatattt	cgggccctcc	tcttcaggaa	tcttctcgaa	120
gacatggccc	agtcgaaggc	ccaggatggc	ttttgctgcg	gccccgtggg	gtaggagggg	180
cagagagaca	gggagagtca	gcctccacat	tcagaggcat	cacaagtaat	ggcacaattc	240
ttcggatgac	tgcagaaaaat	agtgttttgt	agttcaacaa	ctcaagacga	agcttatttc	300
tgaggataag	ctcttttaaag	gcaaagcttt	attttcatct	ctcatctttt	gtcctcctta	360
gcacaatgta	aaaaagaata	gtaatatcag	aacaggaagg	aggaatggct	tgctggggag	420
cccatccagg	acactgggag	cacatagaga	ttcacccatg	ttgttgaaac	ttagagtcac	480
tctcatgctt	ttctttataa	ttcacacata	tatgcagaga	agatatgttc	ttgttaacat	540
tgtatacaac	atagccocaa	atatagtaag	atctatacta	gataatccta	gatgaaatgt	600
tagagatgct	atatgataca	actgtggcca	tgactgagga	aaggagctca	cgcccagaga	660
ctgggctgct	ctcccgagg	ccaaacccaa	gaagggtctg	caaagtcagg	ctcagggaga	720
ctctgccttg	ctgcagacct	cgggtgtggac	acacgctgca	tagagctctc	cttgaaaaca	780
gaggggtctc	aagacattct	gcctacctat	tagcttttct	ttattttttt	aacttttttg	840
ggggaaaagt	atttttgaga	agtttgtctt	gcaatgtatt	tataaatagt	aaataaagtt	900
tttaccatta	aaaaaa					916

&lt;210&gt; 74

&lt;211&gt; 547

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 74

agtggcatta	acttttagaa	tttgggctgg	tgagattaat	tttttttaat	atcccagcta	60
gagatatggc	ctttaactga	cctaaaagg	tgtgttgtga	tttaattttt	tcccgttctt	120
ttttcttcag	taaaccaca	aatagtctaa	ccttaaaaa	tgagttagtg	tccttatagg	180
tcactacccc	taaataaacc	tgaagcaggt	gttttctctt	ggacatacta	aaaaaatacct	240
aaaaggaagc	ttagatgggc	tgtgacacaa	aaaattcaat	tactgtcatc	taatgccagc	300
tgttaaaagt	gtggccactg	agcatttgat	tttataggaa	aaaatagtat	ttttgagaat	360
aacatagctg	tgctatttga	catctgttgg	aggacatccc	agatttgcct	atactcagtg	420
cctgtgatat	tgagtttaag	gatttgaggc	aggggtaatt	attaaacata	ttgcttctat	480
tcttggaaaa	atagaagkgt	aaaatgttaa	taatacaaat	gtcactgtga	cctcctccac	540
tgagagg						547

&lt;210&gt; 75

<211> 793  
 <212> DNA  
 <213> Homo sapien

<400> 75

tgaggaagtt	gcaagccaac	aaaaaagttc	aaggatctag	aagacgatta	aggggaaggtc	60
gttctcagtg	aaaatccaaa	aaccagaaaa	aatgtttat	acaaccctaa	gtcaataacc	120
tgaccttaga	aaattgtgag	agccaagttg	acttcaggaa	ctgaaacatc	agcaciaaaga	180
agcaatcatc	aaataattct	gaacacaaat	ttaatatctt	tttttctgaa	tgagaaacat	240
gagggaaatt	gtggagttag	cctcctgtgg	agttagcctc	ctgtggtaaa	ggaattgaag	300
aaaatataac	accttacacc	ctttttcatc	ttgacattaa	aagttctggc	taactttgga	360
atccattaga	gaaaaatcct	tgtcaccaga	ttcattacaa	ttcaaatacg	agagttgtga	420
actgttatcc	cattgaaaag	accgagcctt	gtatgtatgt	tatggataca	taaaatgcac	480
gcaagccatt	atctctccat	gggaagctaa	gttataaaaa	taggtgcttg	gtgtacaaaa	540
ctttttatat	caaaaggctt	tgacacattc	tatatgagtg	ggtttactgg	ttaattatgt	600
tattttttac	aactaatttt	gtactctcag	aatgtttgtc	atatgcttct	tgcaatgcac	660
attttttaat	ctcaaacggt	tcaataaaaac	catttttcag	atataaagag	aattacttca	720
rattgagtaa	ttcagaaaaa	ctcaagattt	aagttaaaaa	gtggtttgga	cttggaaca	780
ggactttata	cct					793

<210> 76  
 <211> 461  
 <212> DNA  
 <213> Homo sapien

<400> 76

accttgcaact	attcccctca	gtccatctat	cgaggctctt	gcaggaagca	tactgggaat	60
tgaacagaga	gctaataatga	catctaagaa	aggcagtggt	caataaccagg	tattaggtga	120
ggatgggatt	ctaaggacat	cagtgggagg	caggagacca	ccttcagacc	tcagcatgga	180
agcttccaag	atccagagga	agaggcaaca	gcactgagag	tcataaggtag	aagaatcatc	240
acagccctgc	taaccaggca	gctgatgcc	ctctcccctg	gctccctgtg	tccaaatcct	300
acaggggcat	ctgttggtcg	aactcaacct	gaagccaaag	agaagatgag	tggagagagg	360
caacatttat	agagctcagg	tttctagggc	tggagaggga	tctggaggga	cacacaggag	420
acacctggca	taacaaaaaa	atgattaaaa	aaaaaaaaaa	a		461

<210> 77  
 <211> 642  
 <212> DNA  
 <213> Homo sapien

<400> 77

ggttgacga	aacacactgg	ggaatggagc	aaaacagtct	ttgaatatcg	aacacgcaag	60
gctgtgagac	tacctattgt	agatattgca	ccctatgaca	ttggtgggtcc	tgatcaagaa	120
tttgggtgtg	acgttggccc	tgtttgcttt	ttataaacca	aactctatct	gaaatcccaa	180
caaaaaaaaa	ttaactccat	atgtgttcct	cttgttctaa	tcttgtcaac	cagtgcaggt	240
gaccgacaaa	attccagttt	tttatttcca	aaatgttttg	aaacagtata	atttgacaaa	300
gaaaaatgat	acttctcttt	ttttgctgtt	ccaccaata	caattcaaat	gctttttgtt	360
ttattttttt	accaattcca	atttcaaaa	gtctcaatgg	tgctataata	aataaacttc	420
aacactcttt	atgataacaa	aaaaaarawa	wattctttga	atcctagccc	atctgcagag	480
caatgactgt	gctcaccagt	aaaagataac	ctttctttct	gaaatagtca	aatacgaat	540
tagaaaagcc	ctccctatct	taactacctc	aactggtcag	aaacacagat	tgtattctat	600
gagtcacaga	agatgaaaaa	aattttatac	gttgataaaa	ct		642

<210> 78

<400> 78

```
<210> 79
<211> 526
<212> DNA
<213> Homo sapien
```

<400> 79

```
<210> 80
<211> 281
<212> DNA
<213> Homo sapien
```

<400> 80

```
<210> 81
<211> 405
<212> DNA
<213> Homo sapien
```

 $\langle 220 \rangle$ 

<221> misc feature

$\langle 222 \rangle$  (1) ... (405)

<223> n = A, T, C or G

<400> 81

```
<210> 82
<211> 547
<212> DNA
<213> Homo sapien
```

```
<210> 83
<211> 529
<212> DNA
<213> Homo sapien
```

```
<210> 84
<211> 527
<212> DNA
<213> Homo sapien
```

<400> 84						
cccatcacca	gaatcccttc	atggggagggg	tggatgcctg	ttgaaactca	ctgacctatt	60
ggactgacgc	tggggtggt	tcttcacag	agctattgta	agtcattcaa	aaggcttctg	120
acgaaagAAC	aattttttaa	aagtcctct	tttcaatcaa	gccaatgtcc	tattttattt	180
ctaaaagttt	tgggactcgt	gctgttatca	agtacaatga	aaatggcttt	ataaatagct	240
gttttgacat	tgtgatagaa	ggcttgaata	cggaggaag	atgtcgtctg	agctagtcct	300
gtttccgcac	tgtccctgtg	atgggaatcc	agtctgggaa	agcaggactg	ttttagcaaa	360
cgtgtactcg	ttctataaaa	atggaatctg	ttctgcaggt	taccgtccct	ccccgcccaa	420

```
<210> 85
<211> 401
<212> DNA
<213> Homo sapien
```

```
<210> 86
<211> 547
<212> DNA
<213> Homo sapien
```

```
<210> 87
<211> 530
<212> DNA
<213> Homo sapien
```

```
<210> 88
<211> 529
<212> DNA
<213> Homo sapien
```

&lt;400&gt; 88

acctgagcta	agaaggataa	ttgtcttttg	gtaactaggt	ctacagggtt	acattttttct	60
gtgtttacact	caaggataaa	ggcaaaatca	attttgtaat	ttgttttagaa	gccagagttt	120
atcttttcta	taagttttaca	gcctttttct	tatatataca	gttattgcc	cctttgtgaa	180
catggcaagg	gactttttta	caatttttat	tttattttct	agtaccagcc	taggaattcg	240
gttagtactc	atgtgtattc	actgtcaott	tttctcatgt	tctaattata	aatgaccaa	300
atcaagattg	ctcaaaagg	taaatgatag	ccacagtatt	gctccctaaa	atatgcataa	360
agtagaaatt	cactgccttc	ccctcctgtc	catgaccttg	ggcacaggga	agttctgggtg	420
tcatagatat	cccgttttgt	gaggtagagc	tgtgcattaa	acttgcacat	gactggaacg	480
aagtatgagt	gcaactcaaa	tgtgttgaag	atactgcagt	catttttgt		529

&lt;210&gt; 89

&lt;211&gt; 547

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 89

gtttatatat	atagogaata	aatctagttg	tataaatttt	taaatgccgt	cagtagaaaag	60
cacacaaggt	tatgattttt	ttaattactg	gtttctgatt	tctttcaott	ctgatccttt	120
tcctttttct	cagatgtagc	tgagtcttga	tcattttaag	acaacgatgg	gtagaatttt	180
gagattaatg	ttaattttcc	ctttttgtta	atttcagtcc	cctctcacta	tgcttttgtc	240
cagaaggatc	aagaattcta	ccatccottg	ggtctttgtg	tataaacaat	gttaaataaa	300
ggtagactca	gtctttaaga	tattagacag	tttttttagt	ccatgggatt	gtaaatataa	360
acattaactt	tcctataaga	atattttggc	tttgtaatct	atagcctcaa	attggtattt	420
attatggatt	cactagacaa	acagctgttt	ccttattgtc	ttttttcttt	agtgtttctg	480
atttgctatc	agtagctgtt	tttaaagcca	tccaaggaaa	ataattattt	acagtttttg	540
aagtcac						547

&lt;210&gt; 90

&lt;211&gt; 528

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 90

gagcagcaga	agctgtacag	caagatgato	gtggggaacc	acaaggacag	gagccgctcc	60
tgagcctgcc	tccagctggc	tggggccacc	gtgcgggggtg	ccaacggggt	cagagctgga	120
gttgccgcgcg	ccgccccac	tgctgtgtcc	tttccagact	ccagggctcc	ccgggctgct	180
ctggatccca	ggactccggc	tttcgcogag	ccgcagcggg	atccctgtgc	acccggcgca	240
gcctaccctt	ggtgggtctaa	acggatgctg	ctgggtgttg	cgaccagga	cgagatgcct	300
tgtttctttt	acaataagtt	gttgaggaa	tgccattaaa	gtgaactccc	cacctttgca	360
cgctgtgcgg	getgagtgg	tggggagatg	tggccatggt	cttgtgctag	agatggcgg	420
acaagagtct	gttatgcaag	cccggtgtgc	agggatgtgc	tgggggcggc	caccgctct	480
ccaggaaagg	cacagctgag	gcactgtggc	tggcttcggc	ctcaacat		528

&lt;210&gt; 91

&lt;211&gt; 547

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 91

atataccatt	taatacattt	acactttctt	atttaagaag	atattgaatg	caaaataatt	60
gacatataga	actttacaaa	catatgtcca	aggactctaa	attgagactc	ttccacatgt	120
acaatctcat	catcctgaag	cctataatga	agaaaaagat	ctagaaactg	agttgtggag	180



```

ctgactctaa tcaaatgtga tgattggaat taracmmtt ggscyttgra ccttymtwrg 240
raaaawgrmc cmaccttityt taacmtgrac cwccytmatc tctagaagct gggatggact 300
tactatyctk gttwatatth taaatackga aagggtgctat gcttctgtta ttattccaag 360
actggagata ggcagggcta aaaaggtatt attatttttc ctthaatgat ggtgctaaaa 420
ttcttcctat aaaattcctt aaaaataaag atgggtttaat cactaccatt gtgaaaacat 480
aactgttaga cttcccgtht ctgaaagaaa gagcatcgth ccaatgcttg ttcactgttc 540
ctctgtc 547

```

```

<210> 92
<211> 527
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(527)
<223> n = A,T,C or G

```

```

<400> 92
gtggctagt aggggaacat gtagtagcca agcccatgca ttgcagtga cagagcaaca 60
ttggggtaac aggatgggta cctgtcacgg cctgtgcaaa cataacatgt gtcaccacac 120
tgaaggtatg gtggaacaag tggcctcacc aagggtcgac cccaatggac tttttgcctc 180
ttgggagctt atgggtctat gaggacacag tagcctttcc tatcagcaaa ctggagtga 240
tgttgtatct gggggtggcc ttatgtacct gctactgttc tccccacatt gccagatgc 300
ctgtataact gggaggcaact gkgctctcag tttttgcgaa tgtgatgagc cccctggtgt 360
ttctaccctt ttggcaatga ctatccctgg agncatgtgt caaaactgta aagcacaatt 420
tactgctctt tgcggagcac accgctcatg ctctgaatta cacctgaktg tccctcctcc 480
wgktawtgaa tgaggttgat cnvatcagaa adgtggkggt ggcmata 527

```

```

<210> 93
<211> 531
<212> DNA
<213> Homo sapien

```

```

<400> 93
ggtattcata cagccttctt aaaggcaatg ctttccacag gatttaagat accccagaaa 60
ggcatcctga taggcatcca gcaatcattc cggccaagat tccttggtgt ggctgaacaa 120
ttacacaatg aagggtttcaa gctgtttgcc acggaagcca catcagactg gctcaacgcc 180
aacaatgtcc ctgccacccc agtggcatgg ccgtctcaag aaggacagaa tcccagcctc 240
tcttccatca gaaaattgat tagagatggc agcattgacc tagtgattaa ccttcccaac 300
aacaacacta aattttgtcca tgataattat gtgattcgga ggacagctgt tgatagtga 360
atccctctcc tactaatttt tcaggtgacc aaactttttg ctgaagctgt gcagaaatct 420
cgcaaggtgg actccaagag tcttttccac tacaggcagt acagtgtgtg aaaagcagca 480
tagagatgca gacacccag cccattatt aaatcaacct gagccacatg t 531

```

```

<210> 94
<211> 547
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(547)
<223> n = A,T,C or G

```

T0E050" 22964860

```
<210> 95
<211> 1265
<212> DNA
<213> Homo sapien
```

```
<210> 96
<211> 568
<212> DNA
<213> Homo sapien
```

<400> 96						
ccagtggtggt	ggaattcggg	ttaattacaa	aatttgatca	cgatcatatt	gtagtctctc	60
aaagtgcctc	agaaattgtc	agtggtttac	atgaagtggc	catgggtgtc	tgagcacc	120
tgaactgtat	tcaaagttgt	acataatttc	aaacattttt	aaaatgaaaa	ggcactctcg	180
gtttctcttc	actctgtgca	ctttgtctgt	ggtgtgacaa	ggcattttaa	gatgtttctg	240
gcattttctt	tttatttgtat	agtggtgggt	aactatggtt	attggctaga	aatcctgagt	300
tttcaactgt	atatatctat	agtttgtata	aaqaacaaaa	caaccgaqac	aaacccttga	360

```
<210> 97
<211> 546
<212> DNA
<213> Homo sapien
```

```
<210> 98
<211> 547
<212> DNA
<213> Homo sapien
```

```
<210> 99
<211> 122
<212> DNA
<213> Homo sapien
```

```
<210> 100
<211> 449
<212> DNA
<213> Homo sapien
```

<400> 100  
 ctgacggctt tgctgtccca gagccgccta aacgcaagaa aagtcgatgg gacagttaga 60  
 ggggatgtgc taaagcgtga aatcagttgt ccttaatttt tagaaagatt ttggtaacta 120  
 ggtgtctcag ggctggggtg ggggtccaaag tgtaaggacc ccctgccctt agtggagagc 180  
 tggagcttgg agacattacc ccttcacacg aaggaatttt cggatgtttt cttgggaagc 240  
 tgttttggtc cttggaagca gtgagagctg ggaagcttct tttggctcta ggtgagttgt 300  
 catgcgggta agttgaggtt atcttgggat aaagggtctt ctagggcaca aaactcactc 360  
 taggtttata ttgtatgtag cttatatatt ttactaaggt gtcaccttat aagcatctat 420  
 aaattgagtt ctttttctta gttgtatgg 449

<210> 101  
 <211> 131  
 <212> DNA  
 <213> Homo sapien

<400> 101  
 ccatgtttctc tottgactac gcatatgtga gatttgcccc tccgccccgc tcgtgatage 60  
 catccagatc ttttacctgg ccctgtcttg gagaatctgt tttcaatctc cactgattgc 120  
 ccccttgctg g 131

<210> 102  
 <211> 199  
 <212> DNA  
 <213> Homo sapien

<400> 102  
 ctgctgcgcc tgatgctggg acagccccgc tcccagatgt aaagaacgcy acttccacaa 60  
 acctggattt tttatgtaca accctgaccg tgaccgtttg ctatattcct ttttctatga 120  
 aataatgtga atgataataa aacagctttg acttgaaaaa aaaaaaaaaa aaaaaaaaaa 180  
 aaaaaaaaaa aaaaaaaaaa 199

<210> 103  
 <211> 321  
 <212> DNA  
 <213> Homo sapien

<400> 103  
 ttttttaggt ttttaaaact tttatttgca tattaataaa attgtgcatt ccaataatta 60  
 aaatcatttg aacaaaaaaa aatggcactc tgattaaact gcattacagc ctgcaggaca 120  
 ccttgggcca gcttgggttt actctagatt tcactgtcgt cccaccccca cttctttcac 180  
 cccacttttt ccttcaccaa catgcaaagt ctttccttcc ctgccacca gataatatag 240  
 acagatggga aaggcaggcg cggccttcgt tgtcagtagt tctttgatgt gaaaggggca 300  
 gcacagtcac ttaaaacttga t 321

<210> 104  
 <211> 309  
 <212> DNA  
 <213> Homo sapien

<400> 104  
 tttttttttt tttttatttt tttttttgca tcaaaaaact ttatttccat ttggcccaag 60  
 gcttgttagg atagttaaaa aagctgccta ttggtctggg ggagaggctt aggcaaaacc 120  
 cctattactt tgcaaggggc ctttcaaaaag tctctgggct tctatttcaa ccgcgatgat 180  
 gtggctctgg aaggcgtgag ccactttttc cgggaactgg ccaaggaaaa gcccgagggc 240

tacaaccggtt tcctgaaaat gcaaaaccag cggggcggcc gcgctctttt ccaggacatc 300  
aaaaagcca 309

<210> 105  
<211> 591  
<212> DNA  
<213> Homo sapien

<400> 105

cttatttctg catgggtcgg agagtgggcg ggactgcttt actgagttat agtgaatgta 60  
gttttaacct aagegcctca catgactaac tcctcatcca tcaagaatga gctcagctct 120  
cacttcccca ctctcacc cctgtaaaag taacctttct ccaaggttat gcttcaacag 180  
gaatagctaa catttattaa attgtggcac gtaagtatct tggatatatt ggctcattga 240  
atcctcacac ctactatttt acagagatgc cagtggggct tgagattgaa tcacttgccc 300  
aggctcccac tgctggtaaa cagtagaggg ggctcctgac ccatcagtct ggcttgacaa 360  
cccattccct caactgcgga tcccgattc ccttatcacc ctgttgattt ctccataggc 420  
tgtggtaaca tttgttgcac gaatggaccg ttgaaatagg gcctggcagg gagaaattca 480  
ggaaatgaat gaatggttct tcctggcag cttttgatga cttacaagcc ctttcaaggg 540  
ggaaagccat ttttctccct gggactcctt gaaagcccg gagccctgcc t 591

<210> 106  
<211> 450  
<212> DNA  
<213> Homo sapien

<400> 106

ctgccactcc tgcctctgct accccgaaac cggagagggg gctcaataat aacacaggtc 60  
ccactaaact aattaagggtg ttggcataac ctgtcattga attcaagtgt ccaacaactg 120  
tttgcttaaa atatcattag acctaataatt tttttcaaag gcacaaagt taaacatggg 180  
gggggcggggt gttgagaggg gtctgggata cccttaaacc caaaaaagtg atttgttccc 240  
ccttgcccag aagggtgact gttccactgg gcctgtcacc acaggacatt ttccatgaca 300  
agcactcacc ttcttgggga aggggcatca ggttggcaca ggaaaggccc aagtgagggg 360  
ccactctgta cattaatact ttggtgatta atgtttgggg agaggcagga ttctcaccca 420  
cctttttgac ttcaaacact ctactcaag 450

<210> 107  
<211> 116  
<212> DNA  
<213> Homo sapien

<400> 107

tcgacgaaaag ttactgtcac tcagttgtaa atccatcagc ttttcacctg ttaaaaattt 60  
tgcaaaatat acatgttctc ctctgtttt caattcttcc atcttttttc ttgagg 116

<210> 108  
<211> 291  
<212> DNA  
<213> Homo sapien

<400> 108

ctgctcgaag ttgtcaaaac ccacgtgcag ggcaatggag agtccgatgg ccgaccacag 60  
cgagtagcgt cctcccaccc aatcccagaa ctogaacatg ttttgagggt caattccaaa 120  
ctccttcact ttggttgtgt tagtagacag ggcaacaaag tgcttcgcca ctgcagtagg 180  
atccttggcc gcctggagaa accactcctt cgccgtctct gcattcgtga tggctcctg 240

291

```
<210> 109
<211> 662
<212> DNA
<213> Homo sapien
```

<400> 109						
gctgtttcca	cagtagcgct	gcctcacacc	ttgcgatgcg	ccaacatcac	catcattgag	60
caccagaagt	gtgagaacgc	ctaccccggc	aacatcacag	acaccatggt	gtgtgccagc	120
gtgcaggaag	ggggcaagga	ctcctgccag	ggtgactccg	ggggccctct	ggtctgtaac	180
cagtctcttc	aaggcattat	ctcctggggc	caggatccgt	gtgcgatcac	ccgaaagcct	240
ggtgtctaca	cgaaagtctg	caaatatgtg	gactggatcc	aggagacgat	gaagaacaat	300
tagactggac	ccaccaccca	cagcccatca	ccctccattt	ccacttggtg	tttggttctt	360
gttcaactctg	ttaataagaa	accctaagcc	aagaccctct	acgaacattc	tttgggcctc	420
ctggactaca	ggagatgctg	tcacttaata	atcaacctgg	ggttcgaaat	cagtgaagacc	480
tggattcaaa	ttctgccttg	aaatatgtgtg	actctgggaa	tgacaacacc	tggtttgttc	540
tctgttgtat	ccccagcccc	aaaagacagc	tcctggacct	tgccccgggg	cggccccgtc	600
cgaaaggggg	cgaattttct	tcaagaatat	ttccatttcc	acaaacttgg	ggccgggggg	660
cc						662

```
<210> 110
<211> 323
<212> DNA
<213> Homo sapien
```

<400> 110						
tcctgtgaaa	cagcccattt	tcttacctac	tgtggggtgc	tgtctcaggag	gaacgatata	60
cgccaataca	agcaggaaat	ctgcagctcc	tctgctatgt	gcctcagaac	actttcaatt	120
tttctgggtca	atgctctgat	taggtatcat	acataaaaagc	cagcatatta	gtttaaatct	180
ctaacaaaaa	actatatttt	ccaaagtcac	tatcatttgg	gccaattaag	tgatcttttc	240
gtgcttttgtt	gagcttcac	tttagggcat	ctcttctttc	ttcccattca	tgaagttcgg	300
catttccatq	tqcaaattta	caq				323

```
<210> 111
<211> 336
<212> DNA
<213> Homo sapien
```

<400> 111						
tccagtgcgc	tccagcctta	tctaggaaaag	gaggagtggg	tgtagccgtg	cagcaagatt	60
ggggcctccc	ccatcccagc	ttctccacca	tcccagcaag	tcaggatatc	agacagtcct	120
cccctgaccc	tcccccttgt	agatatcaat	tcctaaacag	agccaaatac	tctatatcta	180
tagtcacagc	cctgtacagc	atTTTTcata	agttatatag	taaatgggtct	gcatgatttg	240
tgcttcctagt	gctctcattt	ggaaatgagg	caggctctct	ctatgaaatg	taaagaaaaga	300
aaccactttg	tatatatttgt	aataccacct	ctgtgg			336

```
<210> 112
<211> 218
<212> DNA
<213> Homo sapien
```

<400> 112  
 tttttttttt tttttttttt tccagtcagg agtattttta atcaactgtct acagagacac 60

```
<210> 113
<211> 533
<212> DNA
<213> Homo sapien
```

```
<210> 114
<211> 261
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G
```

```
<210> 115
<211> 267
<212> DNA
<213> Homo sapien
```

```
<210> 116
<211> 239
<212> DNA
<213> Homo sapien
```

```
<210> 117
<211> 168
<212> DNA
<213> Homo sapien
```

```
<210> 118
<211> 150
<212> DNA
<213> Homo sapien
```

```
<210> 119
<211> 154
<212> DNA
<213> Homo sapien
```

```
<210> 120
<211> 314
<212> DNA
<213> Homo sapien
```

```
<210> 121
<211> 601
<212> DNA
<213> Homo sapien
```



&lt;400&gt; 121

aaaaaaaaacc	taattcattg	aagtaataac	caaataattt	tcaatcttga	ttcaactgtg	60
attcaaattct	tacaccattt	gccccttcta	tgaatttatg	tataaaattt	tttaagagtc	120
agagtttttt	tttcttgatt	aattggatgt	atttcacaga	atttccaact	gtcacgtta	180
gttttcttcc	ttttagagtt	gatctctcta	atgtattaga	tcttcatgcc	tttgatagtc	240
tctctggaat	aagtttgacg	aaaaaacttc	agcatgtgcc	aggaacacaa	cctcaccttg	300
atcagagtat	tgtacaatca	catttgacgt	accaggaaat	gcaaagggaag	aacatcttaa	360
tatgtttatt	cagaatcttc	tgtgggaaaa	gaatgtgaga	aacaaggaca	atcactgcat	420
ggaggtcata	aggctgaagg	gattgggtgc	aatcaacgac	aatcacacac	aagtgattgt	480
ccaggggtgc	catgagctct	gtgatctgga	ggagactcca	gtgagctgga	aggatgacac	540
tgagagaaca	aatcgattgg	tcttcattgg	cagaaattta	gataaggata	tccttaaaca	600
g						601

&lt;210&gt; 122

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 122

ctgtttctaa	ttgcttttgt	gactgttacc	ttttagttca	tgccccccca	aagagctaaa	60
tttcacattt	ttacctacaa	aattgatttt	taattcctgc	aaataattta	ccattatgag	120
ctacaagggtg	ggcaacagcg	cctgaggatc	taattttatg	catattactc	ccaagtattt	180
taacacttgt	tggagaagca	atatctggat	caataaaaaca	ctgtcccatc	aaccatttga	240
gtggggagag	ggagaagctc	ttctgtaagt	aagattctgg	caagctcttt	gaaatgagtc	300
ttctttccca	cagattttct	ctactctttc	aatacaaaca	gataggagaa	gaggggaatag	360
aaacctggag	gaacttgaat	atTTTTgttc	tagatagaga	tacagttatt	gaaaaggaaa	420
cctagaaagt	agtcacacgt	cgtttattta	ggccagaagt	aattgtactg	ggcaaaaatt	480
tcactt						486

&lt;210&gt; 123

&lt;211&gt; 239

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 123

ctggtgggtc	tttttttcct	ctcagagctc	aagcctgtag	tgccctgatgt	catttctttc	60
aagttgcccc	cagtatctcc	acttaaaacta	ggctagtaac	caaaaataatg	tggaccttct	120
ttaggaaaca	gtgtgggaga	ataggagtcc	agccgtaaga	taaactggaa	atatttgggc	180
gtcttgtacc	tggctacgca	ccacctcagt	gttgttccca	cataaacaag	gccccctttt	239

&lt;210&gt; 124

&lt;211&gt; 610

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(610)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 124

ccanccaagt	cnttgatgat	cactgaccen	cgcgcgcctg	ctggaccaag	gtggctgcgg	60
ggaaatcgcc	acngngcttt	cggttttctt	ggtgaaggaa	tacaccgcgc	cgacagcagg	120
ttttcagtc	gggtcaggg	ctgttgcttg	cgcgcgaaaa	tcaccgggtac	gccgaggttc	180

aggccggtca tgatecgccg tgcaatgcc gaggcttcga tggtagcgat cttggtgatg 240  
 cccgaatcct tgaacaacgc agcgaattca tcaccgatca gtttcatcag cgccgggtcg 300  
 atctggtggt tcagaaaggc gtcgaccttg agtacctgat cggaaagcac gatgccttct 360  
 tcgcgaattt tottggtgcag tgcttccaag aaagcttcct ctgttggcgc aacacgcgcc 420  
 gaaagtagat taaaaagtag tcgattctag cgctttaaca tcgcgcgtat atccgccagg 480  
 gcggtattgc cgcgaacggc tttgacttcg gttggtgtgt cgtcgttgcc ttcccatgcc 540  
 aggtcatccg gcggcagttc gtcaaggaac cggctggggg cacaatcaat gatctcgccg 600  
 tactgcttgc 610

<210> 125  
 <211> 196  
 <212> DNA  
 <213> Homo sapien

<400> 125  
 ctatagggtc cgagcggccg ccggggcagg taaaaaatca gccctaatt tctccatgtt 60  
 tacacttcaa tctgcaggct tcttaaagtg acagtatcct taacctgccca ccagtgtcca 120  
 cctccggcc ccgctcttctg aaaaagggga ggagaattag ccaaactctg taagctttta 180  
 agaagaacaa agtttt 196

<210> 126  
 <211> 247  
 <212> DNA  
 <213> Homo sapien

<400> 126  
 aaattagtta aaaaaatgca ttctcatatt gatatagcca cattccaat gcttaaaagc 60  
 cgcattgtatc tagtgactac catactggag agtacaaata tagaacttta ccggtcactg 120  
 cagacagttc tgttggtattg tgcagcattg gacaatatat acagtctgcc tgtatatgag 180  
 aaagagagag agagagagag tgtgtgtgtg tgtgtgtgtg tgaagtgcaa taaggctgac 240  
 aggcac 247

<210> 127  
 <211> 590  
 <212> DNA  
 <213> Homo sapien

<400> 127  
 cctccacggc atggcgcaat tgttggtcag gggccgccag gttgctgcc atgccgatgt 60  
 agatacgttc cactgtctta ctgccagac gcaactgaag cgtcgccagc gctacgtttg 120  
 cgcttgctgc cactgctgcg gcgacgcttt ttccgggcat cgccggtggc ttgcctttg 180  
 ctgctgagct ctttgatcat ctgcggcgcg tggtgtcgt tggcgtcctg gtagtcggtc 240  
 caccactcgc caaggccgtc ggtctgttcg ccggcgcttt cacgcagcag caggaagtca 300  
 tagcccgcca cggaagcgcg ggttgctccag caacaggctc gcacgtttgc cgtgcggcg 360  
 tggcaggcgc tcctgcatgt ccagatttc acggatcggc atggtgaagc gtttcgggat 420  
 ggcgatgcgc tggcattgct cggcgatcag ctgctgagca gcttcctgca tggctggaat 480  
 tgccggcatg ccacggtctt gcaggcgcat gacgcgtttc gaaagcgcg gccacaacag 540  
 ggcggcaaaag aggaacgccg ggtgaccg tttgttctgc ttgatgcgca 590

<210> 128  
 <211> 361  
 <212> DNA  
 <213> Homo sapien

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(305)

<223> n = A,T,C or G

<400> 131

aaacacatac	gaatanttna	actgtgatta	tgaagtgaca	gccggctaaa	tatgtcttgt	60
atcttctctc	ttcctttttt	tgctaactca	tcctttattc	cattcctgct	tccatggtaa	120
tgcaggctca	aataaattac	taggatacaa	gattacttca	agcctctttt	ctgtggaact	180
cataatatga	taagcatttg	ttacaagatt	gcctgtagtt	gtttagggga	caaattatat	240
tagggaaaga	aagtctttct	ttagttgggt	aaattttcta	ttataattgg	gtactaaatt	300
tattt						305

<210> 132

<211> 545

<212> DNA

<213> Homo sapien

<400> 132

aaacaatgct	acactcattt	ttggcaaagt	gctgtattgt	tcagtctgtg	tacaaaactg	60
accatctatg	aaccaatcag	tataaaaaat	ttctataaaa	acaaaattta	gacagcggct	120
caagaaaaca	agctgccatt	tatgcataga	ttgatgtaca	gtaacctaac	caaattgtccc	180
ttttgaattt	tcaagttact	gaaaaaaaaat	gtgtcgagaa	acacattaag	aaggcacatg	240
tacagtctac	aatactcttc	agtctcccta	actcatgccc	tgcccctata	aaggaaatat	300
gttcacaatt	ttacttgaga	aaaaaaaaaca	aagccactta	aaaaaaaaaa	aacacacacg	360
caattattaa	agttcaaaat	ctctggagga	aaatacaagc	aaaaccactc	atacactcca	420
agcctgaaac	acacatctaa	cctccccagg	tactggtttg	gttttcagag	gtccacctag	480
aaaacaaatc	taaaacttca	ggcaaaacag	agcaaaaactg	gacatttaac	aattacacaa	540
ttttt						545

<210> 133

<211> 330

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(330)

<223> n = A,T,C or G

<400> 133

aatatattt	actaatatct	tataatgttt	tgtggnacca	tggcatacct	tgggtactat	60
tgtaacanat	agttcaggaa	accctactat	aaggttttatc	aaatgggtctc	ataaacagtt	120
acttattcaa	gcacgccaaa	gctcagtgaa	aagtattttt	cacccttact	ctttctcgtg	180
tcattcaaag	agaagttttg	atgtagtgtg	tttattttgtg	gggagtaatg	aacagatcca	240
tttcacagta	gactttgtgc	tctaggtgat	gcagctaatt	gccccagttt	ggaaaacatg	300
gacttggatg	aattgtcttt	tgtttgggac				330

<210> 134

<211> 627

<212> DNA

<213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(627)  
 <223> n = A,T,C or G

<400> 134  
 aaatattact tcaaatacat tttaaagctc aacaaaacttg tgttgaactg aattgcagat 60  
 cctgaactct atttgaaaat acatcatgaa acagaaaanc ccattccaaa tgaaaatgat 120  
 agtgctttgt tgggggtggg aatgaggcgg ggagactaaa tcactattaa cagacttctt 180  
 ttccaatgc aatttgtcaa aagttcaaaa gttctgaaat gtactaaatc ttaagcaaat 240  
 taaattcatg atattactaa aacttttttaa atagtgcatt gacttatcaa gttatagtgg 300  
 ctgcattaag aacaaattat tgtgtgaaat acctgtataa acacaaaata caattaaata 360  
 tttctttaca aaaagctgag cattacgcat aatagtggaa tgtctttcat taggtgtatt 420  
 ttttaaagat taacaaaagt aacatttcct aaaatgtata catgtgccat atttttgcaa 480  
 acatgcctga gaatgtatit aaaacatttc tgtagtaaga gtttgcaaga acttcacaaa 540  
 cctgcaaata aaatgcatct ttttaaaaag gtgaaaatgg catctccaca ctgcaacaat 600  
 tcaaaaagtg cagcatccct aatcttt 627

<210> 135  
 <211> 277  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(277)  
 <223> n = A,T,C or G

<400> 135  
 aaaatcaa atattatttg ttaaaaatca gottgtttca ttacnggaaa ttacaccagt 60  
 ccgttctatt tactttcaaa ccatattcaa ctctcaact ttcaaacatg taatcaacta 120  
 atttcaaaaag ggaaaaggta ccctttataa aggagagatc tgtaagaca ccaagaaatc 180  
 aaaattaata tcacttaata attaatgga taacacatgc ctccaatac agtgcaagtga 240  
 gaaacacaaa acatcaattc ccgcgtactc tgcgttg 277

<210> 136  
 <211> 486  
 <212> DNA  
 <213> Homo sapien

<400> 136  
 aaaacagaat gaattcattg ttacagttac agaagtcaga agcccaaata cagtctgcct 60  
 gaaccaaagc cagggtcagc aaggttcctt tccactgttt tgccaacttc tagaggccac 120  
 ctgtattcct tggttcatgg ccctctctt catcatcaaa taatcagcat agctttatga 180  
 cattggcagc totgattttg ctcttttgcc ttctctttat gtagaccctt gtaattacat 240  
 tgggtacacc cagataaccc caaataatct ccctatctca agattcttaa tgtaattata 300  
 ttgggaaagt cccttttgtc atataagata acatagcaat ggattccaag gattagtatg 360  
 tgagtttctt ttgaggggct ataattaacc ctaccacaat atggaaatgt ctattgtttt 420  
 tctatgtacc agaaataaga cattaggatg tgaaattaat aacataacac cacttacggc 480  
 atcacc 486

<210> 137  
 <211> 552

<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(552)  
<223> n = A,T,C or G

<400> 137

ccatcttgca tcaaatgttc ttaaggcagt gactggctat caaccacagt ttctgtctcc	60
ccagttgcaa acacaggatc catgcaacag ttctgagacc atacacttag aaaccacagg	120
ggatgcggaat caaatgcaga actcccaaat tataaaacag tcaggctaca ctcaaaacaa	180
aacatagaac atcaacaaca cacatctccc aaaaaagaag tgcaacgcat gcttgtataa	240
accaacaata acaaaaaaac cacaataaaa aatgcagagt ctcccaaaac agttttcaaa	300
tgtattgcan aaagaaaaaa aatgtatata tatataaaat taaaaagtct gaaatactag	360
tgcatagtca attacctaac accaagtttc ttttctttct gtccaagctc tactgcccct	420
ctgatactag cagcatgtct acaggctaag accatagcag caaaaaacgt ttttcatttg	480
gcattttacaa aattaaatta ctgaataaaa atataatttt ttataaaaact atttcttaca	540
gtaataattt tt	552

<210> 138  
<211> 231  
<212> DNA  
<213> Homo sapien

<400> 138

aaattttact agtgttactt aatgtatatt ctaaaaagag aatgcagtaa ctaatgccct	60
aaatgtttga tctctgtttg tcattacttt ttcaaaatat ttttttctgt aaagtataat	120
atataaaact tcttgcttaa attgaatttc tatattagtg gtttaattgca gtttattaaa	180
gggatcatta tcagtaattt catagcaact gttctagtgt tttgtgtttt t	231

<210> 139  
<211> 535  
<212> DNA  
<213> Homo sapien

<400> 139

cagttgccaa cctctgaac cgttttaggc ggttcatcgc tgcttttgaa tctgggcccg	60
tggtgatccg gcaagggtg aaaccaaaaga gcgggggctg tgaggccctt cgcagtcctt	120
cgtaagtcgc tgcgatggag tgaactatca cgcacgtgtt ttatttcgtc aacacgaaat	180
gtgatttatt tttgcgaatt aacacggcag ttctcggtta cgttttcgga aagcgtggga	240
tatgattctg tctatcctgt acggatatac agtaattacc gggaggggat tccatggcga	300
agaagcaggc ggcaccgcca gcacggcagg aaatgagcgg tatggcgcg ctcgggcttc	360
gcgtctcatc gatgattaat caccgggtcg ccagacgca gcgctgggtt acgattcatc	420
gcctggacac ggatggggat cgggagtggt aagaggttct gagcgtgatc gctgataccg	480
acgagctcga gctgacgctc aatgacgatg gcagtgtgac ggtgaggtgg gagca	535

<210> 140  
<211> 640  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature

T06050"32964860

<222> (1)...(640)  
 <223> n = A,T,C or G

<400> 140  
 acattggtgg cacttgaact gagtgcaaac cacaacattc ttcagattgt ggatgtgtgt 60  
 catgacgtag aaaaggatga aaaacttatt cgtctaattg aagagatcat gagtgagaag 120  
 gagaataaaa ccattgtttt tgtggaaacc aaaagaagat gtgatgagct taccagaaaa 180  
 atgaggagag atgggtggcc tgccatgggt atccatgggt acaagagtca acaagagcgt 240  
 gactgggttc taaatgaatt caaacatgga aaagctccta ttctgattgc tacagatgtg 300  
 gcctccagag ggctagggtta gtacaaactc gcattcatgg cttggtttcc cagaagatct 360  
 ccatttaact tttttaaaga aagtttattg ctttctttaa cctgcatitt ttctaagttt 420  
 tttttcgcac aaagggtgctg tctttgtggc aaggcctagg catgacaatc ggaggactcg 480  
 agggggatgg aggactagtg atccggctgg ctgcttccag tcgattagag aggtgaaaaa 540  
 gctgaacgtg tgcccantna atcttcaaaa aggcagaaac atatcacctt ntgccccent 600  
 aaacttggtc tttttccgaa ggggaaaaaa aaaatggaaa 640

<210> 141  
 <211> 127  
 <212> DNA  
 <213> Homo sapien

<400> 141  
 aaaaatcaca cactgacaac acagaaatac gaaatgctag gaaaagtcta gcatatgaag 60  
 gaaaaacatg tcttatgcac tctaataata ttttttcaat tagtataaag gcaaagtcg 120  
 tttttt 127

<210> 142  
 <211> 126  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(126)  
 <223> n = A,T,C or G

<400> 142  
 aaatatcctc tggatgcntt caagtaatac taatcatttc atgngnaaaa gtcttttaat 60  
 aaacaaattc agagtaaaat taattgaaat atttataata catttggtac acagttattt 120  
 ccaata 126

<210> 143  
 <211> 730  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(730)  
 <223> n = A,T,C or G

<400> 143  
 gcaagttctg gagtgttcac ttctgagcct gaattccctc ccttgcaaaa tgggggaata 60  
 cctcctcag aggtccctg cgagggtgag gggagatcag catggcaggt gtgctgggca 120

```
<210> 144
<211> 485
<212> DNA
<213> Homo sapien
```

```
<210> 145
<211> 465
<212> DNA
<213> Homo sapien
```

```
<210> 146
<211> 351
<212> DNA
<213> Homo sapien
```

<400> 146						
ccagccgggg	taatctgtat	gtggcggact	tgagctacga	cgtgggcggc	aagtgcctgt	60
ttgaccagat	cagcggcggtg	aagcttatgc	caactcatcg	tttgataaat	ccgaggatca	120
gttcaagacg	tgcgacggg	tgattttggg	aacgctgtht	tccgtcagta	aattgtgggt	180
agcgacggag	tggttgatcg	gcaaacatga	tccgtatat	ggcgggagca	gctataccga	240
gagcctgggg	gctgggggga	gtaaccagt	ggagaatcag	ttatatatga	acattgggta	300



ctactttctga ctttaagatct ccagcggtttt aactggcctt atcgcaggca a 351

<210> 147  
<211> 654  
<212> DNA  
<213> Homo sapien

<400> 147

acttattttt	aattactgaa	tatttcttag	acgttttggg	acagatttta	tgtaatcttt	60
ataagtatga	tttctgaaga	aaagcaaagt	cattagtagt	tttgccttaa	acttgtagac	120
taaaccaagt	attgtaaaat	aaacagcgat	aacagtgata	gtttttaact	ctatgggtcat	180
tgtatcactc	tggaaaaatgt	ggagtagctg	taataaatct	actcctgtat	tatgctttac	240
agtgcaggtc	ttagtttttc	ttttttctca	tttcttttga	aatggcatct	cgaacaaagt	300
ccaccaatcc	ctttacaaaa	gaatgaactg	ctcctctgtg	tgtacttcat	agaaggtgga	360
atcggacaga	ggcagggttag	tgacagttag	tcctgaaata	caggagcaga	gtacagtctg	420
ttgtgggttc	coggattccg	cgcctagctc	agccaattaa	gcatgagaca	taggccattg	480
agccacttag	tagttatgcg	agtggataga	ttggtagtga	agagggaaaag	aggtctgctg	540
taaagaacaa	cacttggttg	tctgtgggga	aagaaaagca	gaatcttgag	atgaaagtgg	600
gcatacaaat	aggatactat	cgccagtagg	ttatattaca	aaacatttat	cggg	654

<210> 148  
<211> 539  
<212> DNA  
<213> Homo sapien

<400> 148

tgaatatcat	gaggggtgatt	ttcacctgat	tgcaaaaactg	ccatagtttg	aaacactttt	60
tcaatttacc	agacacactc	tgtcaagact	tcataactt	ccaacttgca	agcctgtgtt	120
ttgccttctc	caacctaaaa	aggaaaagct	ttaaaccgatg	aacttacatt	ctattaaacc	180
atcagacttg	agcttatcca	tctgtttagc	gtgaatgtac	aaaccaggta	catttccacc	240
aaacacatag	aaaaatcttg	tgcatcacag	ttcagctaag	ggtagtagga	caatccttac	300
aatcctcctt	ggattttctt	tttaagatgt	caaagaagca	ggtaagcaac	attgttcatt	360
tgttactggg	tgttctagat	caaaccttca	caagctatat	atatagcttc	atatgctata	420
gcttacaaat	ggggttaacaa	agtaaaagaa	aagaacaaat	tatactttga	cactttatag	480
tcaaagtata	attaaaaaag	aaatcctaca	gtgggtaatg	gagaaataga	taatttttc	539

<210> 149  
<211> 273  
<212> DNA  
<213> Homo sapien

<400> 149

tttttggtea	ttctcctcaa	ggagccgctg	gatagtagtc	ttgattgact	tcacacctgc	60
ccctcataca	gtccggtagt	aaggccaccg	acatcccagag	gaacctccgg	aaccacgacc	120
gccaagcaac	tcgacccacg	ataggtgggg	cctacgctct	cgaagttgat	tggtatgctcc	180
cgcctacagg	gcggggtaca	gaaggagcgt	catttgtgac	tggaacgcga	agagctatac	240
tcagcagctt	tcctctgtcc	cagcccctag	aac			273

<210> 150  
<211> 200  
<212> DNA  
<213> Homo sapien

<400> 150

gtttttacta ccgtatggcc catttaaaag ggatgtgtac gccttacact ataaccctta 60  
 aaccacctag aaatatgaaa ctcaaactgc cactgacctc cctcaccaag ctccataaaa 120  
 gtaaaaaatt ataacaaacc ttattaacca aactgaacga acatatgggc gattgattca 180  
 ttgccccac aatcctaggg 200

<210> 151  
 <211> 515  
 <212> DNA  
 <213> Homo sapien

<400> 151  
 ctgtagcgat ctttaagaat attttatata tgaaatctgg atttaggggtt cccatgggtct 60  
 ggcaccactg ggtacagtag ttctacatgg cagtaattca ttggagttga agcagtgagg 120  
 aaagagtcaa gtactagtct ttatcctca gtgtccagtg actgtcaaga gaaatgggac 180  
 tgccttctgc attgggatat gtgggttaaa gagtagtcca atatagaaga gtgagaaagt 240  
 gmaccctctg aggcatagta atgttttatt kraaaacatc tcacatgtat tgaatactta 300  
 sataggatgt attctgtatt actgaatttt ccagattatt gaagcaatca cctttctgtg 360  
 tttaaagttt tagaaagaat gcttttataa atgottaaca taagataagc ctgttttcat 420  
 ggtgcaaggc cctttctatg aacatgaatc actggactct gaggggttga ctaagatcac 480  
 atctacatcc cttttaaatg actagtgtgc tcaga 515

<210> 152  
 <211> 243  
 <212> DNA  
 <213> Homo sapien

<400> 152  
 atttcaacaa catacttgtc gaggtagtta taaatcttct tagggggagg tgggtggtttc 60  
 tgttggaatg ccaattttac agcttctgct gctgatcoag gttctttaat tatgcttttc 120  
 tttgagtctg cttcagatag cacaacaaaa aaatgatgac acttttcaca cttgacaaaa 180  
 cgggtggatg atacaaaagg tctctacatg tgtgcacaag tcgccacatt taggacagcg 240  
 cag 243

<210> 153  
 <211> 620  
 <212> DNA  
 <213> Homo sapien

<400> 153  
 ttgtcttctc taccttacca tagccagttg ctttcatttt aaaccagagc aagtaacata 60  
 ttagtgactt gaatcttcat aagttaaagt aaaaaacagc aaaaaaccta gatctttgtc 120  
 ttttagaaca cagaccattt tcaggaaagc agtttagctaa gtgttttaatt catgaatatt 180  
 gtatactgca tcccctacca caatttacac aatcctgtgg atagtctac ctcaccctgg 240  
 tcaacctaca tgatccttaa gctaattggc gatcacgatg accttgtaga catgcacaca 300  
 actatacctt tgtccaacag atcataatat atctgctatc caactggttt tacctgccta 360  
 atoctactga tttgggcaact gcttgatag tctctcaagt tcacaggaaa tgttgatttt 420  
 ctaaggtcct cttttttaca gagtatacag gcaaagtgc aggggaaaaag gaattagtct 480  
 aagagtaagg ggatgattat tatattgagg ctaaaaaccac aaagtggctc aggcttttaa 540  
 aaaaaacact gtggataatg acaaaaagca taagtaaaaa tattttgaga aaaataaagt 600  
 acaagttttg aacaccccc 620

<210> 154  
 <211> 843  
 <212> DNA

<400> 154

<210> 155

<211> 674

<212> DNA

<213> Homo sapien

<400> 155

tttcgtgtca	gccccaggtt	tgtccagct	attcacaagc	agaatataac	acaagaaaaa	60
caattcatal	cccttaggga	aaaaagagga	tcaattcatc	actcaatatt	taatacagcc	120
aaaatgagct	gccaaaacaa	gcacacacac	aaatactgtg	aacagaaaaa	tacaagaaaa	180
tgactaagct	gggagtcttg	acggggtatg	gacattgctt	aaagcactta	tcagtcccca	240
gaaaaaccaa	accaaaaaca	ttttttaoga	tggcatggcc	tcatggcccc	ctttaaaact	300
gttgatggta	acaaagggca	gggggtgggg	agagaaaaca	caatcactgc	tccctttttg	360
ctcgccagtg	tgactgcacc	cctcacggca	cggcatgta	cacaactacc	acacaaggag	420
gaccaagtec	ctctgctggt	ggcctcctaa	aaggcaaggc	ttgagttttg	gctgatgagc	480
aagtctctct	ogttaccaat	ccctgccaac	cagcactacc	atggctgaat	tgatctaccg	540
ttttcctgag	taaaactgtaa	ctggctacag	tttcggtaac	atggaaaaga	actcagctac	600
tacagccaac	tgcaataactt	caggaacccc	ctccatccct	ggggctcctc	actcctagtg	660
catcttgatt	qqat					674

<210> 156

<211> 671

<212> DNA

<213> Homo sapien

<400> 156

cctttagtga	acacctttat	ctccatgtcc	ctcttagagc	ccagagagct	gcccataggc	60
attttccaga	attcctcatg	tcaacctagt	caattttccat	taactcagat	cagccattgt	120
gattcaccat	ttgtcaggct	ctcagggtta	acaaaacctt	ctatcaccat	catccttcaa	180
cagccacagt	ctgaattgag	ccaacatttt	tttttctttg	agaaagaagt	gggctggggc	240
acaactttta	gtctgagggg	agctagtagt	cggcttgaca	attaaagcca	tccataacaa	300
cttttcctca	aatgtgttga	ctcctcaggg	gctaaactgc	tcttagctta	gaattatgct	360
ttactagaga	tctaccatat	aagtgggtta	atcactacca	tctctgtaact	agttatatag	420
cttccagaca	tgaggggagac	atcaaacagg	gatggaagca	acccaagga	tatgcaagaa	480
ggctcatgat	aaccccttc	cctctggcag	gagaacaagg	ccaaccaagg	gacagactgg	540
aaagcactta	gatgttttaa	gaggagaaa	gggaagcttt	gaccagtcct	tgctttttgc	600

caagttcagc cagttctccg ctgcttgcaa cctctagcgc agtaacattt tgcagaattg 660  
cagattttcc c 671

<210> 157  
<211> 474  
<212> DNA  
<213> Homo sapien

<400> 157  
cgcggttcttt aattctttta gcctagaaag tccttttacac tacttaccta aaggtcccaa 60  
agtaaaacac aactagtag taaggctagt gcatttcctt tctagcactc aaagaaagct 120  
taacattttt gacagtttgc aaataccgcc ttgtattttt gattcagcct tattcaaagt 180  
atcataataa aatattttatt aaatstatgt tgatctgcgt gcatttatga tctccagatt 240  
aacgttaggc ttctctgttg ggccctaact tggaggtgct tttttggatc cctcctcccg 300  
tgattcattg taatttcatt tcccttgtca tggtctgcac cagagaagat tctaaatata 360  
tgcccccaaa gccaaaatta tatcttttga aaagtgaagt gaagagttga gtcastaatt 420  
tatttttagat attactgcct aaaacaattc cccaaaattt atggaagttg gagg 474

<210> 158  
<211> 584  
<212> DNA  
<213> Homo sapien

<400> 158  
ttggattctg cagttccaca tcattcactc cggcaaagga gagaacttgt aacaaagatg 60  
agtgccaaagt ttagtcaatt taccctacct ggaatactat atacaactct gggctctcatg 120  
tgtgttaaaa tacatacagt gaagctgagg aagagccact gaagtaaaaa gtattgttta 180  
caagttggaa aggatgtaaa aataatctaa agtatactaa gtcaggaata aaaggcagag 240  
ttaataaaaat tgtggctggg actgatagac gaaacagata tattttctaa atcctggaat 300  
aattattaaa aaattttaca tgtatcaatg gattccagac tccatatttt aagtttcaca 360  
actactgtca tttaaaacta taccttattg aacgtctccc actctcaata aattacccca 420  
aatcactctt ctccaaaacg taaatttgga acacactgac ttacaaattt tgggcttaat 480  
ttataggatg ttgtggccct caaaaatata attgtgggct aaacaaaata aattcttgaa 540  
acaattctaa aatcaatca ttgtccaaaa tgaacttttt ctaa 584

<210> 159  
<211> 671  
<212> DNA  
<213> Homo sapien

<400> 159  
cctaatttta ttacttttct tgccactgct attattgata gaaatacaat taaataatta 60  
agatgaacca atccattgga agattactaa aattgtatct tcccaatgcc tcctacagta 120  
agatttcttt ataattataa ccttgaggaga caatttgaac tttattttaa tgttctgctc 180  
aatctaaat ttctttctcc taggctgaag cctgatctaa ataaggaagt agttgggata 240  
tatccacagg ctgtcgaaca tggagctgca tctgagagac aggtggcagc aacccaaagc 300  
aaagcaggga ctgagaacag gcaggttcca agagcaaaat ggaacttgaa agccaagtat 360  
ggttcaactgt aaaggagaaa atatagaaat acggaactag aacacctggt ctgggatgtg 420  
gtaagcacc ccaaatatagg aaaactgtat gaattcttgt gaagcagtaa actatgatag 480  
taatcatgtg acacatatga taacaaactc aaaacaggga aaagaggggc tttattcaat 540  
gctggagata agtgaaaaaa aaagtgaagt gtctcaagga cagaagttat catctcaaaa 600  
aggcatatca gctagatctc gcggaaacca tatgattatc ataattctag actctgttgc 660  
gtattacaaa g 671



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ccccattgtt ctcctagaca aggccatgaa ctggcaaaac aagagattcg agtgagggtt 180
gaaaaggatc ccagaacttg gatttagcat atcagggtgt gtcgggggta gaggaaccc 240
attcagacct gatgatgatg taagttagct ttgtatatc ttgaaacacc tataaagttt 300
tatttaccga ttgaatactt aaatgtaagt gaaaatctaa tagatgttta tgtaaatcta 360
ggtagacatc acctggatto cccactctat tgcttacctt tttgttttgt aatttgatca 420
gttcaagtta aaacaattta accaaaaact atgaatgttt atgatataat gaaatgattg 480
ttaactttct tattgttttt tcacacacct ataaaagtaa ttttattact cccaagagaa 540
atcactaaag gcagaattac tagaggtaaa aataactagg gttggtacag tattactcag 600
gagaagtcaa ggggagaaaa cttgtcccaa tgattcaaaa taattttggc atgggggggg 660
ggagggaana aaatttggtc tccttt 686

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<210> 164
<211> 706
<212> DNA
<213> Homo sapien

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<400> 164
ttttttttgt ttcatttgcg gcttaaaata aaaattataa attagattta aatggagcac 60
taattataaa acagattgca agtaccacca tttgaaaaaa aaaaaaaaaa tcagtggatt 120
tcataacac agaaaatgca tggacatgca tctacagtag agttaaaaat ttcctgtgac 180
taaaaaatta aaaactggaa tcaccagtag caaatgtata gtcaatggct atgacaagaa 240
cagatcctgc cgagctcata aatgcaatta ttggcttttt tgctttataa aaaagacatt 300
acatattttt ttgcattatt ctcctaataa aaaacatact accacgtagc tctccccatc 360
ccatttcttt gcttcagat ttttatagaa aataactgtt ttagtctggc cttggaaagt 420
gaaccacca gcaccacct cactactca ctcttcaatt caatatgcac atagcaaaag 480
ccaacacttc aaatctcttg cccacatcaa aaaaagtagt ttcaggagaa aaacattaat 540
accagttgaa taaaaataag ggcataaaag ctatgagaga gatagctctg ccactctgtc 600
ctgggctaaa aatcaaggct aactattgcc tttggcacca caaggttcaa ggtccatggt 660
tttattagaa aagtcccccac aaaaaaatta aacccccctc acccca 706

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<210> 165
<211> 427
<212> DNA
<213> Homo sapien

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<400> 165
tyywgggcaa ttaggcagga gaaggaaata aagggtattc aattaggaaa agaggaagtc 60
aaattgtccc tgtttgaga cgacatgatt gtatatctag aaaaccccat tgtctcagcc 120
caaaatctcc ttaagctgat aagcaacttc agcaamgtct caggatacaa aatcaatgta 180
caaaaatcac aagcattctt atacaccaat aacagacaaa cagagagcca aatcatgag 240
tgaactccca ttcacaactg cttcaaagag aataaaatac ctaggaatcc aacttacaag 300
ggatgtgaag gacctcttca aggagaacta caaaccaactg ctcaaggaaa taaaagagga 360
tacaacaaa tggaagaaca ttccatgctc atgggttagga agaatacaata tgggtgaaat 420
ggaaaaa 427

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<210> 166
<211> 124
<212> DNA
<213> Homo sapien

```

```

<400> 166
accatgtttt cgttgtgtgt gagcaggga gggaaacttc ctgccttatt taaacctggg 60
ccgaggattc gtggaatctg cttgatcaga gactctgagg ccaaaaacgc atcatacttc 120
ttgg 124

```

<210> 167  
 <211> 232  
 <212> DNA  
 <213> Homo sapien

<400> 167  
 tctgcatagc aaatatgatt taagaattta acatcattat ttgatcacia gcgtaaatat 60  
 gtcaccataa ataaatgtaa attcattgta caaaaattcc caacaactct taatacaaat 120  
 atggtacatt tgacagtffc tgaaacagat tattttttaa acttttttaa acctaagctt 180  
 tatttttttc ctggttatta gacacacaca aaaaaataa aaagaggctg gg 232

<210> 168  
 <211> 677  
 <212> DNA  
 <213> Homo sapien

<400> 168  
 tttcacaatt aaccaacatg caaaaattct cagactaaac actgagaaat ttttcataca 60  
 atgcatttgc caccattattg catittttaa atctttattc tatagtgaat tgggtattccc 120  
 aatctgccta agcaaaggca tgcccttcta acaagatttg cttagagcag aggtgataga 180  
 aggaagaatc cgaagaccct ctggcatggc aatctgggag cagcacattg ttgatggagt 240  
 ccaagtggag acatttcaca caattcattt agtgacaagt gggcttgctc ccttttcac 300  
 caggaaaaaa actactcaca gaccactgcc cagaatctgg aataagaacc ctcatittaa 360  
 ggtattcttc ccaacaaata aatatctaaa tattgaaagg gggcatatca gaaaacttaa 420  
 aagacacaaat aaccaaaacc aaaaccctct tcaaaacaag taagcaatgt ctgtatttag 480  
 ttcaactctaa aacattctta gcttttcttg cagtttgctc ctaaaagatt tgattgggca 540  
 caagaggaac gaaattatta ataaaataaa agcttatttt tgtttttgct gtggataatc 600  
 ggtacaaaac gtttccagat ctgagactta aatggatctt ttaaggtgaa aaggagaatg 660  
 ccagggttcta ctgaaat 677

<210> 169  
 <211> 635  
 <212> DNA  
 <213> Homo sapien

<400> 169  
 ttaagaagac tgggcattta tactctctct tgctagtac cctggagcaa gcttgaggca 60  
 gacgcacatt tttgtactgg cacatattct tagacgacca attatagttt atggagtaaa 120  
 atattacaag agtttccggg gagaaacttt aggatatact cggtttcaag gtgtttatct 180  
 gcctttgttg tgggaacaga gtttttggtg gaaaagtcog attgctctgg gttatacgag 240  
 gggccaacttc tctgcttttg ttgccatgga aaatgatggc tatggcaacc gaggtgctgg 300  
 tgctaatactc aataccgatg atgatgtcac catcacattt ttgcctctgg ttgacagtga 360  
 aagggaagcta ctccatgtgc acttcccttc tgctcaggag ctaggtaatg aggaacagca 420  
 agaaaaactg ctcagggagt ggctggactg ctgtgtgacg gaggggggag ttctggttgc 480  
 catgcagaaa gagttctcgg cgggcgaaat caccocctgg tcactcacat ggtacaaaaa 540  
 tggctttgac ccgctaccga cagatccggc cgggtacatc cctgtctgat ggagaggaa 600  
 atgaggatga tgaagatgaa tgaaaaaaa aaaaa 635

<210> 170  
 <211> 533  
 <212> DNA  
 <213> Homo sapien

004436.050  
 004436.050

&lt;400&gt; 170

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tttttagctt	ccactttggg	aacatgtcaa	agcacacatt	gagaagtccc	atgagtgaag	120
gagatgttgg	aaagcccttg	aacttggtcg	ttaggaaaca	tccacactga	agaggaacct	180
gactgtatgg	aaggtaaaaa	aggctgtatt	aattttacatg	caaaaagtca	cactagagga	240
atgccatata	agaatgcttt	tggtaaatat	acatgtttta	aagaggttat	atatcattaa	300
taaaaatata	tagctgggtc	gaagaccctg	agttatctca	attgttcacg	gttacagatg	360
gaactcttta	ttattgagga	gttccactct	ttccccatt	tgtcactact	acacttcctt	420
agtcttttaa	acaatttttag	gctgggtgca	gtggctcatt	cctgtaatcc	cagcactttg	480
aaaggccgaa	gcgagtggat	catttgaggt	caggagttcg	agaccagcct	gga	533

&lt;210&gt; 171

&lt;211&gt; 568

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 171

cccttgscag	actttccctt	aagtattgca	ctacaagtct	aagacacttt	tcactcaaag	60
ttccttccct	ccttacctct	cttttaactt	ggagtcagac	tttcatcagt	ctgacaactt	120
ctccctgtct	ccttcccttt	cccccttca	caagcatttc	acctaacaaa	tttcttatgt	180
gcttaatccc	ctcttagaag	cagatgccaa	gatgggatta	agcacataag	aggctcctgga	240
ctaatacaat	gacaaaggct	ccccttgaag	catcacacta	aaaggaaaaa	aaaaaaaaaa	300
acctagccat	tttacattaa	ctattttctaa	aatatagtat	ttgcttccct	atttgctaaa	360
acaaaatata	ctaaacatga	ctattccaaa	aatctgtagg	gtactaagaa	tatgaagaga	420
ttcactctac	ttcaggggat	ggagttgtag	tagaaaaggc	tttgtggagg	gaggggtggtg	480
tttgaaatgt	actttaaaag	ccatcctcaa	agcctcgagg	gctataacctg	gcctggtgat	540
tatccaagga	cagtcatttc	aaacaggg				568

&lt;210&gt; 172

&lt;211&gt; 167

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 172

ccattttacag	gaatcagcca	cttcagttca	gacagcttta	ttaaaccgcc	tggagcgaat	60
tttcgaagca	tgttttccct	ccatacttgt	ccctgatgct	gaagaggaag	ttacttccct	120
gaggcacttg	ctggaaacaa	gcactttgcc	aataaaaaacg	agagagg		167

&lt;210&gt; 173

&lt;211&gt; 391

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 173

cctcccaaaag	tgtctgggatt	acaggcatga	mccmccmcgc	cctgatgata	gacacgtttt	60
taactttctaa	aaatatatga	tcatgattgt	gtctgtggag	acttgacat	atactaaatt	120
ttaamcaatt	agagatat	gttcattacc	acattttggg	agtcattatt	tcctctatga	180
agagagaaaag	gaatttgata	caagttcaca	ggggcttcca	gtagattgag	actttttattt	240
ctagctgagc	tgtctgatga	tgaatttttt	ttgktattat	gactttcata	tgtattaaaa	300
ataaaatgaa	aaaacaaggg	attaggtgag	gaacctatac	gtctctaata	tgcaaaatac	360
cacagaaata	atgactgktg	ggaaaattag	g			391

&lt;210&gt; 174

&lt;211&gt; 474

T03050"32364860



<212> DNA  
<213> Homo sapien

<400> 174

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agtctccttg	gggatatag	gggagatgga	aggacgatgc	ctgtcctacg	gggtcttgga	120
aggttaggga	tacacactgt	gagctgccac	aggctcaaca	gtacggatag	gggtgctgg	180
aaaccagccag	ggctctgac	accaagctat	gtgccccatg	cagaggaagg	ggtagtgcca	240
cactgaacca	cccagccaca	aggctatctc	cccatacagg	gcacctttaa	aaaaattatc	300
cttacagggg	aagacgggga	ggaaggatga	actgtgtgcg	gtgatgttgc	agtgagtgtg	360
agtttgtgtc	cgtccgcttg	tatgagggcc	taccttttac	taactagccc	ccaactttca	420
ttatctcccc	ttttctgtgc	tacccttctg	octttttaaa	gtggcttgca	atcc	474

<210> 175  
<211> 655  
<212> DNA  
<213> Homo sapien

<400> 175

cottgcaggg	gtggggatgt	gtgggcttgt	tcaactgttac	agcccatgta	tacctgaagg	60
gcaacatgta	cccacaaatg	ttccaggagg	taaataaaaa	atacaattca	gcctcttcta	120
aaccatcctt	gttgatatct	ctgctacttc	cgaaagttaa	ttcgttattt	ggactccata	180
atttttccta	ttaattcacc	ctatgtccaa	ctccaacagt	gaaaaaaatt	tatttaattc	240
ttgcaataag	cctataggca	ggcagcatta	tctcagctct	gcagataagc	taaggctcag	300
agaagcttgt	atactgtcac	ttaggtagta	attgcaagag	ctggcattca	gacctcagct	360
gtgggactcc	tcaactccatt	ctctttcccc	ccactaggct	gtcctttaa	atacaatgga	420
tgccttgatga	acgcttgttg	gaatcctggg	tggacacagt	tccttttcgg	ccaaaagcac	480
cttgacgact	tgtgaagaat	taatctggaa	aacttaacct	atttataaaa	acgtgttatt	540
aagggcaggt	tattcccacc	ccctttacca	aagaaaccgg	ccctgacctt	tttttactgg	600
gggttggtct	tgggcatttt	caacaagggg	ggaacagttt	aaaaattccc	ccctt	655

<210> 176  
<211> 660  
<212> DNA  
<213> Homo sapien

<400> 176

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gttcacatga	aactaccctt	tctccattgg	gggctcagac	tctgctctca	tccaggatcc	120
tgaactctgc	tccaggcacc	tgttcaaccc	tctctcccac	ccactgcttg	tcaattcact	180
gactccagtt	acattgaaac	aattttcagt	ctaaggagg	attttctacc	tttcagagct	240
gacctccgac	tttaagactt	gacaggtatt	tatcttgaaa	ccagagaggg	agctggagga	300
aaaaaaaaact	gagcaagcac	atcaatgcct	tttccaccct	tcttcactct	ttccacactc	360
accgactgcc	attaccaaaa	cgccaagcac	aaccggtttg	gaacaagacg	cattccgttt	420
taattaaaa	caactcatta	tgtattttag	tgggggggaa	ggggggcaca	atcagggttt	480
tcaccaccaa	attttccaca	cggtttctga	acaccattgc	cttttaaaaa	actatttttc	540
cacctccaaa	atattttatt	aaattttatt	tattacggag	gtgggtattct	tcctttggga	600
gccaaattgg	gaaatttagg	gaaccttttt	tattaccggg	ttttttgggc	gggtaaaccc	660

<210> 177  
<211> 459  
<212> DNA  
<213> Homo sapien

&lt;400&gt; 177

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atgaaatgaw	tttttaattc	aagaamcatt	cagaamcata	ggaattaaaa	cttagagaaa	120
tgatctaatt	tcctgtttca	cacaaacttt	actctttaat	ctgatgattg	gatattttat	180
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tggtatgatt	tttttttaat	gtatcagytt	gaacctagaa	tattgaatta	aaatgctgkc	300
tcagtatttt	aaaagcaaaa	aagggatgg	aggaaaattg	catcttagac	catttttata	360
tgcagtgtac	aatttgctgg	gctagaaatg	agataaagat	tattttat	tgktcatgyc	420
ttgkactttt	ctattaaaa	cattttacga	aaaaaaaa			459

&lt;210&gt; 178

&lt;211&gt; 720

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 178

ctgcaagctc	ccactccttc	cattttatctt	aacgcccagg	ctgacttcta	agctgctttt	60
cactttccta	cctccaactgc	atcttcgccc	ctgataat	ttgtaagctt	acctaagcct	120
cccttctttt	gagatccct	tcttaaaagg	gtccattcta	ttaacccctac	cccataatcca	180
gttactttta	ctacctgctg	atctatcgct	accttgctca	attcatggga	attacagggg	240
gcactgggac	aagagtaaaa	tgatccaaca	aacataatgt	tgcatTTaaa	aaaataagct	300
aaaagatact	gatgactttt	tataactaca	acataatcgt	ttgtgaataa	gaacatatat	360
agtaaaaaaga	tgaaaaatgtg	aacagggtga	ctatttccta	aatttatggc	agaaggttgt	420
tctggagagg	atgggaagaa	aaaatgaagg	ctggcagtga	tggttgggga	aatgcaacct	480
ccaaaattat	ctatctatat	atcttttatta	aaaacaccca	cagtaattat	ggcaaagtgt	540
aatgggttgt	ttgttctaag	gttttgata	catttaagat	ctcttgcttt	ctgggtacca	600
tttcttttct	tttcttttct	ttttttttca	aattaattcc	aaaagactta	tatctgctac	660
atgaagaacg	aagcaagttc	agctctcttg	gctgaaatgt	tcaaatgctt	gagggcaag	720

&lt;210&gt; 179

&lt;211&gt; 427

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 179

ctgtgaatct	gtctggttct	gaacttat	tttagttatt	ggcaatcttt	gtattactat	60
ttcaatctct	tcctggttta	atctaggagg	gttgtatatt	tccaggaatt	tatccatctc	120
ttgtaagttt	tctagtttat	gcacataaac	gtgttcatag	tagccttgaa	taatcttttg	180
tatttctgtg	atatcagttg	taatatctcc	catttcattt	ctaattgagc	ttatttgaaa	240
cttctctctt	cttggttaat	cttgctaattg	gtctatcagt	tttatttatc	ttttcaaaaga	300
accagctttt	tgtttcattt	atcttttgta	ttgtttttgt	ttgtctcaat	ttcatttagt	360
tctgctctga	tcttcgttat	ttcttttctt	ctcctgggtt	tggttttaga	ttgttcttgg	420
tttctct						427

&lt;210&gt; 180

&lt;211&gt; 728

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 180

caaacacaaa	agtcactgtg	tgtgtgatgc	ttotccaatt	ccactcatcc	tggtgcat	60
tcatgcacta	gtgcatgtat	gcatttttac	atTTTTTaaa	ttacaaaaat	caacctatta	120
taactgctta	gatatatatg	aagtaaaaa	gaaagtcttc	cctttacatg	acccatcccc	180
catcatttcc	ctcttttatct	tatactgtca	gcattcccag	cttgtagcac	agtgtctggc	240

aatagtaaat	cctcaaaaaa	tgatcaatga	ataatttaaat	aatgattaat	aaataaatta	300
atgatgatgg	tgaagataaa	tttttagcatt	tattgaacgc	taactacaaa	ccagggagtg	360
tggtaaatat	tttataaaaa	tcaatgaatg	agctaaaatg	ccattctatt	atttttttgg	420
atacggttta	atatttttact	cataaatatg	cttaaagaat	attataatta	tatgacttag	480
aatggtaaaa	caatatgtac	agcagtatoc	tatttttttag	aataaaaaata	taaatatgtg	540
ctcacatatg	tggttggggc	atgcctagaa	acccgattag	aacgggattt	tttcttacca	600
ccattttttt	tacctgggaa	aaatatggga	aaatttttatt	tcccttcttt	ttggttctaa	660
aatttatata	caggagccta	tttggtcttg	gataaatcat	tttaaaaaag	gtgggtttaa	720
aaaaaaaa						728

<210> 181  
 <211> 546  
 <212> DNA  
 <213> Homo sapien

<400> 181

acaatccttt	ggaagacact	actgggcttt	gggtgctgct	ttttaataat	tgagttattt	60
tgagcttgcc	aagtaggatc	tattgcctgg	actaaaattt	atttcctaata	cttctgatga	120
ccaagaaagg	aaaaatttaag	tttgcagatg	ggagatgaaa	tatagccagc	gaatatgcat	180
actggttctg	aatgaaagga	attaactttt	cagtcaagaa	acagtctgca	tgccgtaaat	240
tgaatttttc	ctgcaactgg	aatgattggg	taattctttt	tgaacactgg	cctttctccc	300
caagaacact	aatgaattgc	taatattttt	taaagaaaac	tggtttttta	attaggttaag	360
ctccacttcc	tcttattttt	taatccctaa	agaaaactgt	taaaagggaa	tggtatctatc	420
acgccttttc	ttttaaaacc	acctttttta	aaaaggattt	ttccaacccc	caatttgctc	480
ttatttttaa	attttgaacg	cmetaaagaag	ggaaataaaa	atttttccct	taattttacc	540
ccctta						546

<210> 182  
 <211> 333  
 <212> DNA  
 <213> Homo sapien

<400> 182

ggccactctg	actgggtctg	ctaattcaca	tgctctttgt	gacatacggc	tctaagaggc	60
agaggctgga	agagaagtat	gtgggttggt	ggatcaagat	acccaagttt	cagtcttgac	120
actgctatta	cttagtcagg	tgaccactgt	aacttcatct	tgattgagcc	tcagatgtct	180
cacctgcaaa	atggagtttg	aaatttgcta	tggttgggtg	tcacacggat	taaatgaaat	240
aatgcctggt	aagcgcctat	ccagcactta	ataagatggc	cactgcatca	taatgctttg	300
ggcacaagta	acacaacatc	caacccaaag	ggg			333

<210> 183  
 <211> 393  
 <212> DNA  
 <213> Homo sapien

<400> 183

ctgaatttct	tgggctttat	gtggcagtg	ggtaaaaaata	tatgatcaga	tttcaactgtt	60
aagaaaaattc	tttcagcaat	acatgtagag	tcaagtttct	tgcatggata	actgaacatg	120
tgggttatga	gatttttaaaa	aatgtctcgt	gacaaaacttt	acggaaatgc	aacaatctgg	180
acatctagtt	ttgtctgaga	gtggcgtgga	tatgaagaac	tgtgctggtg	gtgctgatgc	240
cacactaagt	tttggcagtc	acactcttgg	ttcttcatat	ttgaggagat	gggatggtga	300
ggaggcctgt	tggcttttatt	ttattacgtg	ccaccatcta	gaatacacagat	tcttgatat	360
ttcatcttca	caaaggtgaa	gctgcaaaact	cag			393

<210> 184  
 <211> 700  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 184  
 ccaggscawt gaggaagaagr gaaagaatwt arrggstwt caaataggaa aaraggaagt 60  
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 tcagcccaaa atctccttaa gctgattaag camcttcagt aaaktctcag gataaaaaat 180  
 caatgtgcaa aawtcacaag crttcctatm cgamcaatam cagmcaaaca gagccaawtc 240  
 atgagtgrac tcttattcac aattgctagt aagagaagaa aatmcctagg aatacaactt 300  
 mcaaggggatg tgaaggwtct cttcaaagaa gaactacaar ccrcctgctca aggaaataag 360  
 agagggmcmca agtaaatggg aaaagcattc tatgctcatg gataggaaga atcaatcccg 420  
 tgaaaatggk gatactgcc aaaataatct atagattcaa tgctatcccc atcaagctac 480  
 cattgacttt cttcmcgga ttnggaaaaa tctactttac acttyatagg graccaaaaa 540  
 agaagccwt gtagccaaga caatcctagg caaaaaagac caamcctgga ggcacacag 600  
 tmcytgactt cmaactatwc taccaaggny tmcrgkgmcc aaaacagcac ggkacntggg 660  
 mccaacccrg acwtwtwgac cmmcagacac agaacmgagg 700

<210> 185  
 <211> 192  
 <212> DNA  
 <213> Homo sapien

<400> 185  
 ccagyccttc ttttaagtaa gcgctttttc aagctcattg tagctacaaa gtcaataaat 60  
 tggctcttgt tatttttacc tgaaaaggct gttaaagggt aaaatgacaa actcaaattc 120  
 aaagggattg gaggatttgg tgtttatgat ttctcagaac aacaatctag agaccaccag 180  
 ggtgggtttc ag 192

<210> 186  
 <211> 688  
 <212> DNA  
 <213> Homo sapien

<400> 186  
 gtgctggaat tcgcccttag cgtggctgcg gccgaggtg gatatttctt ctggatagat 60  
 ttcagatagg tagttccctc aaataagatt atatgggttt gcattttcaa ggcagagttg 120  
 tatacttcct gctctttatt taaataaaaa aacttgaaaa tctgttctgc ccagtattgt 180  
 aagcgctcag gtacaaatat gaatgaaaca atctctgcct aagtaacaca agtataggga 240  
 caagattctc agtaaaattc tcacgtgaaa tttgtaactc actagacact atcaggagat 300  
 caataattat gtaattaaaa aaaataatta cctgccaaac tgggttcttc tttggcactt 360  
 ctgcttggtt ttaagacaat tctcacatag aagcttatta ttccccatta gtcattccat 420  
 agatgtaaaa ctggtagaaa caggacttga attgaacatt ctttacaagt aagttatata 480  
 gcttctgaaa aaagggtctg aaaaagcatt tttggggact ataagaacct tcaaagtctt 540  
 tcccctctta acaaacctta aaattatctt gaaaataatt taagggggct gattttctct 600  
 tgtcaaaatc ttgaaccca cttaccagggt ggttggtcaa accaaagttc aaaaaaagc 660  
 ttctggcctt tcctttatcc cacttgca 688

<210> 187  
 <211> 779  
 <212> DNA  
 <213> Homo sapien

<400> 187

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taactgaaaa	gtctcctttg	ggaagccaag	gtgggaggat	tgcttgaggt	caggagtcca	120
agaccagccc	aagcaacatg	gcgagacccc	atctctacaa	aaaattaaaa	aatcagccag	180
gcatggcgga	catacttgta	gtagtaacta	catgggaggg	tgaggcgga	ggatcacttg	240
agtccgagag	tttgaggctg	cagtgagccg	caacgcgccc	tgtactccag	cctgggcaac	300
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tgttctacaa	aagtcctatt	tcttcccaca	aaaagcctct	ggtacctggg	gtagttcttt	420
ggggtggaag	attactttta	aaaatagaac	tattttttta	gtatatcttt	tagggaactt	480
tagttcccga	agcttttaga	aatgggatct	tgaaaacaaa	agggatttca	atacctatga	540
caatgcttaa	agaattattg	gggcaatttat	ttttcaatgg	aggggtccaca	aatctttgga	600
aacccttggc	caattaccag	aagccacttt	aatttttgac	cgaaaatggt	tttaaaaatt	660
ggcttttgga	aaaactgtct	ctttcccaca	aaatgaaaac	cttgaaaaaa	aggggaattt	720
ttaagggttgc	cccctcatta	aattttaacc	cctctgaaag	aaaaccctct	tgtgacagg	779

<210> 188  
 <211> 394  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(394)  
 <223> n = A,T,C or G

<400> 188

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tgatttgacc	ttcatccctt	agtttactgg	cgtaaaaaaa	agtctcagca	attttcatta	120
tttctcgtgg	gtctcattat	caaaccctta	cttatttcgg	catatttcct	ctgggcttct	180
tctagtttct	gccttacaag	caatgctgtt	ctgtaaatft	attgaaacct	ctggaacatt	240
tcacctttag	agatggagga	tggaaggatt	ggyaccagaa	gagggctaag	atacgttytc	300
tgtcttnag	ctgaaagcac	agytactct	ccttcgtttt	gycgatgaga	aaagttgagg	360
ccagaaggga	ggtgacatgt	ttagagtcac	ccag			394

<210> 189  
 <211> 681  
 <212> DNA  
 <213> Homo sapien

<400> 189

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aagttattag	gaagtgcctc	gttattgtca	ttaaagatat	ctaaatatgg	tagaccaaag	120
gttggttgaga	aacacatatt	atggactgag	ttctgtttct	tctgctgtgg	cgcacctaa	180
ctcaagcctt	ccttctctcc	ctcccttct	ggccggcatg	gtatctgagc	tcacagacag	240
acaaggcatg	ttagaatcat	cagatcatga	gcaccgtgct	gggatttagc	cctctccaaa	300
gtcaattctt	acagtccata	ctttgcttaa	atcctcagtt	gttgaggctc	gctctgctgt	360
cagtaatccc	agctataaat	ttcccccaaa	tgtggggcct	agataaagta	gaagggtggat	420
ggactcagct	tattttcatg	ggatgacagg	aactggaaaag	agaaagggca	ttgaaaataa	480
aaagttattc	cagaatagca	ttaaccctct	tactgttcaa	gaattaagaa	agcctactta	540

gaaatgaggg ccttgagaat gatacccaaa tattggctctt tctaccaaaa aatggccttt 600  
 ccaaatatct gctttcctgt tcccccaattg gctttttaag tagaattaag ttacctaaaa 660  
 ctttacctga aggggtggttt t 681

<210> 190

<211> 839

<212> DNA

<213> Homo sapien

<400> 190

caaatacatg atttccattg gcatagactc ttctatagtc tctcaggcac accttatgac 60  
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 gtgttgagac tatgggtctt cctgtgcaa agacttgatt agcaaatact atttgaaacg 180  
 atcccaaatt catagtgcag ttgaccaccc ttctgatcaa ggggatctct gtatatcca 240  
 tgaaagcttc ataggtctca ccctagatta agtgcttcac ttctcaagac agtgaacaga 300  
 tggaagactt ttgtagtatt cattatacaa ctgtgccctg tgtgttttat tatacaacca 360  
 gagaactgag gcactggctt tacctgtcag ctacgccagg ggtgtgacgt catctttctg 420  
 acttgatcac acatgccaca ttgcttaata tttcaagctt agactgaaat aatcctgtgg 480  
 taaaaaattt ttggggggct ggggaggtaa agaacaaggg ggggaacttt ggaatatttt 540  
 tattcattaa tcatatttcc cgaattgtat tttattttga aatgaccata agggacttaa 600  
 atacgtattg tggttaaatt aaatggaccc aaatggaggt aagtaaacct aatgggacaa 660  
 atgaataaaa ggtttatgac tgggagcatt taccatgaa cctccttaga agctatttaa 720  
 cctttctttt ggaaagccct gaaggctggg aacttaaatt ttaaagacag tacctatttc 780  
 cagaatcgct tccaaatggc catgttttaa agggccaaca ttttgggatg gccctgccc 839

<210> 191

<211> 697

<212> DNA

<213> Homo sapien

<400> 191

ccatcctgaa tactgatttt ctaatggaac tctattcaat ggcgattgta aaaccctgag 60  
 gctccgttac tattatggag catactttca tctcattctc ggctattggg caatatgtat 120  
 ctcataagat tttatcacat ttcacagatg aactgttaat tgattccatg ggtacgatta 180  
 ggcgagatcc aagctggagc tgcagctctg agtcccataa attcctttgtg cttctgtaaa 240  
 gaataaatct gtttttaatg caaattaaaa ctactggcag ggaatttttg cttccagtta 300  
 ttaaaagact ggaaatgtgt aagtggagaa aggcataaac tgcagtaatc tcttaccgga 360  
 ctctattata attccaaaca tacataatgg tgagaaaaac cgggaaggga agaattgtggc 420  
 aatgtccact ctttgcccca aacataaccc ttaatttcca tggcgggccc aaactactgg 480  
 aaaaaccaa atggtaacct ctatagcatg caacttttat ttactccaa acgaaaaatt 540  
 attttgacta tggcttggga aatccattag tagaagaagt tttataacct ataggaacct 600  
 ggccatttca tttctaccaa atcacaggaa ttttagaatg ggcaaggaa ttacaggaag 660  
 acttgcccaa ttatcttttt ttgggggact aaaccaa 697

<210> 192

<211> 687

<212> DNA

<213> Homo sapien

<400> 192

ctggttacta tagctttgta gtataattta aagtcaggta atgtgattct tccagttttg 60  
 ttatttctgc ttaggatagc tttggctatt ctggatcggt tgtgggtcca tataaatttt 120  
 aggatagttt tttgctattt ctgtgaagag tgtcattggg actttgatag ggattgcatt 180  
 gaatctgaag attgcttttg gtagtatgaa cattttaaca atattgattc ttccgattaa 240

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tgaacatgga atgtttttcc tttatttggc gctctcttta atttccttca tcagtgggtt 300
ataggtttca ttatagagat ctttccttct tttgggtaat tcctacgtat ttaatttatg 360
tategtatt gctaaatgga atgacttttt aaatttcttt ttcacattgc tcctgggtggc 420
atattaaaag ctactgatgg atggtgattt tggattctgc cactttactg gaattgggtg 480
atcagttcta atcgttttct tatgcacccc tttacgggtt ctacatgtaa gaatatatca 540
ccttcaaaca cggataattt gacttcttcc ccatccaatt gggaggccct ttatatcttc 600
tcttggcctg aaggctctac ttaaaacttc ttatcccttt gttggaataa cagtggggac 660
aatggacat cccttgtcat ggtccca 687

```

```

<210> 193
<211> 493
<212> DNA
<213> Homo sapien

```

```

<400> 193
ctgctaaaat gatgttgcta aagcattcct ttttcttttg attaaacttc atgtttacaa 60
aaaaattaat tctagcagaa taacgaatgg ttttgtttct tagttctctg ctgaatgaac 120
agttttgcca attatcttca tagagtagtg atataatgaa tgcaacctca aatgcaaacc 180
aaccaattca cagtccatac cccaatcact tccttcatca gcctcaaaaa tcgctaagtg 240
aaccagtaga atggtttttg agcagtaata ggaaagcaaa tagaaagtca agggggactt 300
tcaacgccaa caagaccaat tcagatcctg atctgactgg tttctaatac aatctctttc 360
cagagtaatg gagcatgagt ctgccacaca gaactttaga gagagtcctt tatttcaaag 420
actgtaaagt tggaagaatt cattcatctg caaagtcaaa tgtcaaaagt tgtgcttccc 480
actcctcatc agg 493

```

```

<210> 194
<211> 424
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(424)
<223> n = A,T,C or G

```

```

<400> 194
cyagggcant ttagcangas aaggaaatan mggggattca attaggggaac wraggakarw 60
caagttgtcc stgtmtgcag atgmsgtgat tgtatatcta gamcacccca ttgtctcagc 120
ccaaaatctc cytaagttga taagcawctt cagcarmgtc tcasgatscr acmtcwatns 180
gcraaantca cmwgcattct tatacaccaa tawcagacaa acagagagcc aaatcatgag 240
tgaactccca ttcacaattg ctacnmaaga gaataaaaata cctaggaatc caacatacaa 300
gggatgtgaa ggacctcttc aaggagaact acmaaccact gctcaaggaa ataaaagagg 360
atmcaamcaa atggaagaac attccatgct catgggtagg aagaatcaat atccgkgaag 420
atgg 424

```

```

<210> 195
<211> 229
<212> DNA
<213> Homo sapien

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```

<220>
<221> misc_feature
<222> (1)...(229)
<223> n = A,T,C or G

```

&lt;400&gt; 195

tgaacaccct	tnggaaggaa	cctgctcgna	tgtannanaa	anggaccgga	cagtctgcta	60
aaatgcacct	ctttagacgc	ggcgcgccgg	ggcagagttt	ttctctggtg	ctttgacctg	120
tatttggttt	aatggttttg	tcctaatact	ttcaatcaat	aaaattgtgc	gtatttaact	180
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa		229

&lt;210&gt; 196

&lt;211&gt; 557

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 196

gcggtggctc	atgectgtaa	tcccaccact	ttgggaggct	gaggtgggca	gatacattca	60
agttgagagt	ttgagaccag	cctgggcaac	ataacaaagt	gagatcttat	ctctacaaaa	120
aaattaaaca	aacaaaaaaa	caaatacaac	ttcatttgca	gggctctttg	gtcttcttaa	180
agaacaaaca	tatgaaataa	ataagctgat	tcttaaagat	aacaaatata	atgagctttc	240
tcaactgtaa	aagcatctct	aagttgttct	atcaatgcat	atccactcca	tgaactaacc	300
tgaagaaagt	gttgaccatt	ctacccaatt	aactgtaaac	taagattgct	ttaatgggtt	360
gcctaaattt	gagtaccttt	aaatttttgc	tttttatcca	aattcattct	cccttcttca	420
aattaaatag	ttttgttaga	aatcgataaa	gcaagatgta	cttttttaga	agggcaatag	480
aatcctacaa	catgctagaa	tttgaaatgt	ttttttaaat	cagtmmtttc	tctatgctag	540
taactaagaa	aattata					557

&lt;210&gt; 197

&lt;211&gt; 624

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 197

ttttactacc	tatatattaaa	atgatccctg	acgcccctca	agacaaatat	attaattttt	60
ttactttgtg	ggatagagat	cagaaaaaga	gtagagatga	aaatactgga	gaaacaatgc	120
aggagatatt	tatgaggtga	gaatgtcaag	aaacttgtaa	agggagaata	ctataatgac	180
ccctgaagag	agagctttag	accagttgag	tattagaggt	tgccacgtgg	ctattcatcc	240
actaataaat	acaagaaatt	actaaaatgg	aagccactgg	aaatatgttt	tgaggaaggt	300
gagaatgtgg	acctattata	aatgggtgaa	tatgatttct	ttctcattaa	gttcataaat	360
aactttcaga	catgtaacag	tttatgaagt	gtgccgtagt	catttagtat	aagttttata	420
cacaaaagtg	tttttactaa	gactgtcaca	ggttcttttg	tgaatcttgt	ttgtttttcc	480
tcattgtaaa	tactgcaata	gaacatttgt	gtcttaacat	aaggcaataa	atgaccttaa	540
gaaccttcac	ttttatatag	aaagtggagg	aaaagttggc	agagtaattt	gttgattata	600
gataaaagct	cttgtagaaa	ttgg				624

&lt;210&gt; 198

&lt;211&gt; 175

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 198

tttttttttt	tttttttttt	ctaacttta	tgcatttatt	ttcatgtgta	agaagaaaaa	60
cgtaactagc	acgtgaacat	gactgcatgg	atacacggct	cagcacgagg	ctaaagtcag	120
aagtgagtga	aagcaaaacc	gcatgttgat	ttaatgtaaa	taacagaaca	gaaaaa	175

&lt;210&gt; 199

&lt;211&gt; 871



&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 199

ctgttgatca	atgatgagct	cccaagagta	accagcctct	atatagtcag	catcactggg	60
ttctcaggaa	aagcatcacc	attgttcac	ttgctgcaaa	atgtatgcac	aagtatcttt	120
ttatttttaa	aaaagccctg	acattttatg	actgctgctt	ttctaagata	ttttcaaata	180
tacagtccat	acggttcaga	cacaatggac	tggggataga	gacggctata	gtgccgataa	240
tggagaaact	agccagagct	tcagatattt	gttttccagg	acatctcaat	aattgggtac	300
acctcacaat	atgtgagact	tgacgtcgag	tggcacggca	tactctggcg	caggcacttg	360
ataaagactg	tgtttgcaaa	tacttagcct	gcatttcaag	ataccaggca	tctaagcacg	420
tcccagatgg	tgacagttaa	tcttcaaaaa	accctatgtg	gaagtattat	cattgtcctc	480
attttacaga	tgaggaaaaa	gagacacagg	gatgtcaata	tcttcctcaa	ggtcacacag	540
caagtaagtg	atggaacagt	ggctcagcca	tgaagctatt	gctgttaacc	actagggttg	600
tttgcttca	ttaatttctt	cctaaaactg	cacatttccc	gttagtccct	ctttttggtc	660
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taaatatgtg	caactccttg	gggacatgac	caggcaaaag	ctggatacag	aaatgtatgc	780
ccaaacacca	tcccaagtta	cccctaacag	gtcttttctg	gacctgttt	gtaagggggg	840
tatatttggg	aaaattttta	aaattttctg	g			871

&lt;210&gt; 200

&lt;211&gt; 737

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 200

gacattttga	aggtaacagc	aatatctgtg	tatagatggg	gttgtggttt	tgttatttat	60
ctgctattgc	tgaactatcc	tttgtcttga	gcgataaaaag	agaagtaaaa	tactaaagaa	120
ctgaactgtc	cattttctgga	ccatgagtaa	agatgctggc	tgtcaaaactt	cctgttcata	180
cattagttta	tttatagagt	gtactctcta	tgttaaggat	tgactgataa	tgttactttg	240
acttcagata	gcttgcagtt	taatggagga	agaagacaaa	catgcaaata	actagggtcaa	300
tgaggcatcc	tttgtgttcc	attggaagct	aggctgcttt	gtaaccttgt	taattttctgt	360
ggttttggag	tgcatctatt	agcaaatata	ccccttgctc	ttatccattc	tctgcttttt	420
tctttatttg	gcattttagt	acattttttc	atgtggggaa	attgagtcag	gtgagggtgga	480
aagaaaataa	ggacacgaca	ctaaattctt	tgatgttttt	ccttaaaaaa	ttgtttttca	540
agtgtctccat	aaaggggtgt	gaagttttaa	gagccatagg	acttggatta	ttgtgaaaga	600
gtgtctctag	ggggccaggt	taaaccattt	caaggactct	ccttctctca	tctcccttgt	660
tccaccacag	gtggcgaccc	ccaaaaagca	caaagcctcc	ctttcttcat	gggaagggtg	720
aggaacggaa	gggaacc					737

&lt;210&gt; 201

&lt;211&gt; 493

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 201

tctagaaatg	cagctttttat	ttattacccc	atttctttca	agtccttggg	aaataacata	60
ttaaggggtac	aagaaattaa	cacatgatgg	aaaagtcatt	gtgacgcaa	tgaatttcat	120
tgagtataaa	ctcatctact	tcaaatttat	tttataacac	aacctaaagat	actcaagata	180
attattttaat	ggttagctct	taagttgaat	tgggtctacat	aatgcgtggg	aagaaaacca	240
gattttttagc	cttcttgcca	aatccagacc	tctggttgat	ttttctttga	cagaagatgc	300
aagttatttt	ccaatttcac	aattaaatgt	atttaacatg	aacattattt	tgcttttaaaa	360
actataaaca	ttgtaggaga	attatagcca	gtcttcagtt	ataaccactc	caccctcctc	420
actttctctc	tctctctctc	tttttttttt	gctatgggat	ttaatgggaa	aaatatgtaa	480

aaactgtcac taa

493

&lt;210&gt; 202

&lt;211&gt; 283

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 202

cctttttatc	tcagtgcac	cgctccggga	cgcaggtggt	ggtgactcaa	ggctagcctc	60
aaagggcagc	cccacctcct	catcctggac	cacagagacc	acctgcttgg	cgcgccgtcg	120
cttttccgag	aggggtggctg	actccggggt	gctggggctg	gggctgcgcg	ccccgccgct	180
gttgctgtac	tcctcgcccc	agtcgatggg	ggctgccctc	ggacagcagg	tgcaggttgg	240
gggcactgtt	acgcaagacc	atgctgcccc	gagaggtaga	tct		283

&lt;210&gt; 203

&lt;211&gt; 713

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 203

ctgcttttgc	gcaaggtgcc	actggacgag	cgcactcgtct	tctcggggaa	cctcttccag	60
caccaggagg	acagcaagaa	gtggagaaac	cgcttcagcc	tcgtgcccc	caactacggg	120
ctgggtgctct	acgaaaacaa	agcggcctat	gagcggcagg	tcccaccacg	agccgtcatc	180
aacagtgcag	gctacaaaat	cctcacgtcc	gtggaccaat	acctggagct	cattggcaac	240
tccttaccag	ggaccacggc	aaagtccggc	agtgccecca	tcctcaagt	ccccacacag	300
ttcccgtca	tcctctggca	tccttatgcg	cgctcactact	actctgcat	gatgacagaa	360
gccgagcagg	acaagtggca	ggctgtgctg	caggactgca	tccggcactg	caacaatgga	420
atccctgagg	actccaaggt	agagggccct	gcgttcacag	atgccatccg	catgtaccga	480
cagtcceaag	agctgtacgg	cacctgggag	atgctgtgtg	ggaacgaggt	gcagatcctg	540
agcaacctgg	tgatggagga	gctggggcct	gagctgaagg	cagagctcgg	cccgcggtcg	600
aaggggaaac	ccgcaggagc	ggcaccgcag	gtggatccag	atcttcggac	gccgtgtacc	660
acatggtgta	cgagcaggcc	aaaggcgcgc	cttcgaagga	gggggctgtc	caa	713

&lt;210&gt; 204

&lt;211&gt; 275

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 204

gtagacaagt	acagcagatc	cagacaccag	atctagctag	gctaaatgta	cagtatctaa	60
cttgatctga	actgaacctg	tattccttga	tgatgcctaa	aactacatcc	atagaattct	120
ggtgaacctg	taatacagtt	ctgaaagtac	agttttatat	aataagatgc	tgatctcttt	180
attctttcaa	gtaagagtgc	tagagaacaa	attgtgttac	ttgccttggg	atttattgaa	240
cgtctgga	atgctgtctt	cctagatcca	aacag			275

&lt;210&gt; 205

&lt;211&gt; 694

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 205

ctgttctctg	acattttaact	gaaaaaaaaa	taacttataaa	taatataaaa	atagcactca	60
tgtatgtcct	acagttatag	gtgaaatttg	atattgtttg	tcttacatag	cataacctata	120
gacagcttaa	gtaaaagtgc	tgtaaagagg	gttatgctta	ttgatgaact	ctttagattg	180

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cttaccagct ctgttagtat agttaaatg atctcagtag cttcaagtat ttataaaatg 240
gttgaagtc aaatacatgt gataattaca atacactttg aattaatgga gggtagggagg 300
ctagttgaaa tgcattttat ttaccaagg agtatgttaa aatgatagtt ataaatgttg 360
gaagttttaa gcaagatact cagtttagtt ctttacaat cataagaaga acaaaattag 420
atgttgacat tgctatttta ggctgtgtgt tttccatatg cttcttgctt tccctgtcac 480
aggtaggtggc agcaatattg gtgtgattga gggtatgttg gcaccactcg cacacaggcg 540
cacaatggtg ttagctgggc agaaagagtg gcatctctgg ctaccgggct gggggcgacc 600
tttaccatag gatgaagtaa ctttgcattc ggctgcaagg tgtactgtac cgtacacagg 660
tgctgggtcg atggccactt tctgcttttc tttc 694

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```

<210> 206
<211> 704
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(704)
<223> n = A,T,C or G

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<400> 206
tttttttttg gnaaaaacag ggtttcatca tgtttgccag gctagtctca aactgctgac 60
ctcaggggat ttgcccgcct caccgaattc aactttcgta agtcagtatt taccatctaa 120
ctcagtgtcc caaaaatttaa aatttccttg cactttacag caaaaatata tattggggct 180
ctactgaagc aatatataca tgtcaaaact aaaaatcaga aaagcaaaag ggtccattca 240
acatatagca gcttatattt aaatatgtac aggtatgtat gttttcacag ttagatcttt 300
aaaaaaattt atatttgata tgttcaaaaa tacttctatt ggctataaat aatattttta 360
aagctcaact gatcaaaatg cattccaaga acatatcaaa ttaaataaat cttctacgtc 420
tttaaaaaa gataattgaa gtcagtaaaag cttgaggttt gtgttaagtg tattctgtca 480
gtccctacta ctagggaagg cagaatcttc taaatacgat acgaaagaaa ctcccaaagc 540
ttggaaggaa tcggcagctc ctgaactttt tggggggggc atccctcttc gggattgaca 600
tgcgacataa atgttgcaag ctaagggacc cccccgggg gagtgggccc caaaaaaac 660
cacaccttec ccgtcaatgg tgggtcccc accaacctta aaaa 704

```

```

<210> 207
<211> 225
<212> DNA
<213> Homo sapien

```

```

<400> 207
ccattttaac tgtactgcc aatagaattct ggaattgtgg aaaattgtat cattgaagtt 60
cagtaggatg tgtggcttaa aaatttatca ggaccacaaa aaagaaaaca aaaatatttg 120
gtactgaggt tcattgccag ggcaggaggt atttccagaa aatactcatg cctgtgttct 180
gttccttgct ttcccaaata ctgcatgtga ctttcctaag cggca 225

```

```

<210> 208
<211> 678
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(678)
<223> n = A,T,C or G

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&lt;400&gt; 208

cctatatcta	tcaaaaaaaaa	tccagttcct	aactaataat	ctcccaaaaa	gaaagcacca	60
ggaccagatg	atataaatgg	caaatttttt	caatcattta	aggacaaaat	aataccaatt	120
ctgtatcatt	tottocagaa	cacttcctaa	ctcatogtat	gaggccagca	tactctaat	180
agcaaaacca	gataaagcca	ttacaagaga	gagtgacaga	ccaatgtggt	tttattgagg	240
atgcaaacia	aatttaacat	aatatttaat	agtgaiaaac	tggatgctct	ttccctaagt	300
tagagattaa	ggaaagaatg	tccccttcac	tactcccata	caacacctta	ctgaaaattc	360
tagctagctt	tataaaataa	anaaaaacca	naaaataaaa	taaaagggtg	acagactgga	420
agatacagtg	aaggaggaag	aaataaaaatt	ttctttgctc	ataacatgat	tcttctatgt	480
ggaaatcaca	gagatttgaa	catttttttt	ttttgagaca	gtttttgctc	ttgttgccca	540
ggttgagtg	taatggcgcg	atctcggtc	actgcaacct	tcacctcccg	aattcaaggt	600
gattctcctg	ccctcagcct	tcccgagta	agcttgggga	ttaacagggc	atggcacccc	660
ccatgcccc	agctaaat					678

&lt;210&gt; 209

&lt;211&gt; 720

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(720)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 209

attattttga	accctagcat	ttagaaatga	aaaacttttt	ataacaatca	aatacatgat	60
aaagtatgca	aagagtagga	aattattctg	atgacatatg	gagggttaca	aaggagaaaa	120
ctttttgcta	cctctgataa	agaatagact	aaattctcca	agaccaatct	gactggtgct	180
ataataaaaag	gaggtacaca	cggaagcaca	agggatgtgt	gcctctggag	gaaaggtcag	240
gtgaggactc	agtgagaaga	caagccaagg	agccaggctc	tggagaagt	caacctgtt	300
gacaccttga	tcttggaact	accctgtgga	caccttgatc	ttggactttt	agcttccaga	360
actgcnagaa	aataaatttt	tcttgtttaa	gccaccana	gtgtantgtt	ttgttatggc	420
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tgcaaaattt	taacacattt	ctctaccact	actgtttcta	ctctcttaaa	actactccgc	600
aaatataaaa	atagaaggcc	aaaatgcac	attaaaacga	tgtttgggga	ctaattggcct	660
taaaattcta	ttacacttgg	aaatatacaa	atattcaaag	attatctatt	gatcacctca	720

&lt;210&gt; 210

&lt;211&gt; 277

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 210

tccatgtatt	tttatacaga	atggaacaat	atgtatgtat	gcaatyktta	cattccacca	60
tgaaataaaa	cagtataatg	aaaataacaa	tagattcaaa	caatgatatg	ctattttttt	120
ttacctatga	cattggcaag	gtcttcttaa	aaaatctgcg	aataaccgat	gttgagaga	180
tcatggggaa	atagccactc	aaatgttact	catgagagtg	tacatatgtg	taacttcact	240
tggagggcaa	tttggtgata	catttaaaaa	gttttg			277

&lt;210&gt; 211

&lt;211&gt; 715

&lt;212&gt; DNA

<213> Homo sapien

<400> 211

gtggtagaaa	tactaatttt	gcaattacag	aaaaaaacaa	atgccattca	catggtttyct	60
aacaaaaagt	gtctgaccac	ccccaccccc	caccctcaa	aaagccctta	aataaaagagg	120
aagatcaaaa	gaaaacaaaa	taattcccga	gtttcacctc	atacatataa	tatagcacag	180
gaagtggcaa	agtttaaaat	aatgccttta	ctgttaggac	tagtatgctg	tcaaaagcca	240
caatcctttt	gttttagtga	gttgattttc	aatagaaaaa	tacaaatgaa	catgtgttta	300
agttccaaca	tggattgagc	acctctgaat	ttagtatcaa	atgattaatt	ttatttttca	360
gatgtcaaat	cttagtataa	aattttccat	tattttaaac	ttcacttgaa	tctttaaaaa	420
agctgtctaa	attgtactat	atgagttcag	tttaattctt	tgtaaaatgc	taacaaattg	480
aactgtcagc	agtcttttaa	aaaaaaatgg	gggctgggtt	atctctagaa	gaactctcat	540
taagctttga	aaatcagaaa	tcagagacaa	ataacttcag	atatagacta	gctccacaag	600
caaatttata	caattatctg	taacagtcta	tacatatatg	tgtatatata	tataccgtaa	660
ccactttcat	aggtaaaaaa	tattaacttc	atgtcacact	atgatcagaa	gtata	715

<210> 212

<211> 717

<212> DNA

<213> Homo sapien

<400> 212

agcctccccc	aatgccttaa	aaggtcacag	tagatctcag	ctctgaacag	aaactcaact	60
gaaactcttc	ccacaaccca	gcagtagata	tattaaaacc	tacaattttc	agggatacaa	120
ccaatattta	attcttttga	gggttttgtg	tttaatacaa	ggacacaaac	acacgtataa	180
aatgacgatg	tcaatactga	ttaaacagaa	caacaaaata	agaagctcaa	attatcatca	240
gctatttgtg	atatctgaaa	taacaataat	gcacttgatt	ctgaaagaat	gattagagtt	300
cctactctga	aaatctaatt	gtcttgatgt	ggcgaagtga	gaagaaagga	tgatttttct	360
aatgaaaagc	atgtatacgg	gtagcccttt	gcgagattct	gtcaaaaccc	tgaattttgc	420
attagctggt	ttaccaccca	aacgttttta	cccagggatg	tgcagcaatg	ggaactctca	480
tacactgctt	gtgggaatat	aaatcagtat	aaccactttg	gaaaaccatt	taacattgtc	540
aactacagct	ctacacacaa	gtgctataac	caccctattc	actccagggt	atacacccta	600
aaaatatgaa	gtgcccattg	ctacccaaaa	ggccgcctaa	aaggaatgct	tttgagaagg	660
gttaaccttg	ttaattagtg	gcaaaactgg	gaaaacaacc	cccaaattgt	cccatcc	717

<210> 213

<211> 599

<212> DNA

<213> Homo sapien

<400> 213

cctgttttgg	cgaggcagga	gggaagcggg	atgggagtg	tggttaggcc	aagggtagtt	60
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tgtggatgat	gaccggccat	ccaggacatg	cgagggcctg	ggacagtgga	cagccagtgc	180
cacacaagga	aggaccgatt	aaatgacaca	gttaaaggaa	tttggcctag	ggagtgcgaag	240
ccagaaaggt	ttggtctttt	tatatatgta	acattggaaa	aaaggaacat	ctcctgttcc	300
ctgtattaag	ttttgacttt	agctcagcaa	atgcagtgtt	tgtggcagta	aatatactct	360
gataacaatg	ttctttccca	ggaatttaga	gttttatgat	ggttattgaa	aatgtttaca	420
tgacaggctg	tcaataatat	tttttgccct	taaaaataaa	acatacataa	agtgtacgga	480
ttttaagtat	gcaactcact	gaacttttca	taccgtaata	caccacccta	gtaaccctcc	540
cccagttcaa	gatgtagact	gtttccaata	accctccttc	ctgttcctta	atagcccccc	599

<210> 214

<211> 789

<212> DNA  
<213> Homo sapien

<400> 214

ccttatgaca	aaccttgcta	tgccaaggat	atgcttcact	atcttcatct	atcaaaacac	60
tatgcatcat	agatatctaa	ttttttcatc	tcttgcatga	agtctttcct	gatttccctc	120
tgctgaaatt	tctctcttca	aatgatgtgt	ttccatagta	ctttgtccct	tttcaaagat	180
atatctcaca	tcgcataatt	taccacagtt	agtttcattt	cttaactctc	acactagatt	240
acaaagtcaa	tatagacaaa	gaaatgttca	accttatata	acctcctctg	cctatgctgg	300
taaattgcac	ctactatgtg	ttcaataaga	gcttgtcttt	ttcaatatac	aaaactttgt	360
aaagattaaa	gaccttgtag	aaagtcaaga	ggaagatagc	aatttcactt	ctaagaactt	420
accctaagga	aacattcatg	aagagataca	aggggttatg	tgcatggatg	ttcattatca	480
tattattctt	cattatgaag	attatgatgg	taataatgaa	aatgattatc	ttgtattggg	540
ccttatttga	agtcaagcat	tgagaatgta	ctttatctgc	attatctcac	tgagtctctg	600
tagcagccct	ataaggtaca	gactgttatc	taagcttaaa	aaaataaaag	taatgtccaa	660
ggtcaaaaca	ctagtaaaaag	aagggggcta	ggaaatttgg	aacccccaaa	ggggcaacct	720
ctcaagggct	atgaatcctt	accattatta	taaggaagct	tggcccatgg	tggcccaaaa	780
aaaaccggg						789

<210> 215  
<211> 765  
<212> DNA  
<213> Homo sapien

<400> 215

ggatgtctga	gcaggagaga	gaccatgtga	aggatggact	gaatggagac	ttgtatcaaa	60
gagtctgagt	atcaaagact	tgtattagag	aggggttgtg	tagtaatcta	gtcaggggat	120
gagaaatggt	ttgtattaga	gtgtcaggag	tagtcgtggc	aaaaatatat	agatcaggat	180
gagggatggg	cctcatctca	cacctgact	ccagtcaatg	gcagtggctc	cctggagtag	240
actactatag	gaaggatttt	gtaaagtgtt	gtctggcctc	agtggagggt	gaggtagggg	300
aggagtctta	tgaacagtta	gtgggtgtctg	ccatggttga	aacaatggag	aaggggggaca	360
ccttttctgt	gcagatgttg	cttctggtag	atataatcca	caatgtaatg	ggagaagtac	420
taagaatcag	taaattatgg	aggggtgtaa	agactactga	tatttaagcc	tgcggaaccg	480
acttagagaa	atgatagtta	aaggagaaat	atccagcaaa	caaagatatg	acattgaagt	540
ttgggactgc	gattagtacc	agagatttgg	attggagggtg	atttgtatag	aatggatagg	600
tgattttact	cttgcaattt	ggattgaggg	gtggggaaaa	ccagaaagg	gctggggggg	660
aaattagtag	aaggtcacct	tgaattcatt	gtgggtccata	tcaatgctga	aactgattgg	720
ggaacttttt	actottgagt	ccctttgtaa	gggaacccca	gaaag		765

<210> 216  
<211> 780  
<212> DNA  
<213> Homo sapien

<400> 216

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gttaaagctg	gaacatttga	tatttttcca	tttatttatg	aaaaaatatg	aacctatttt	180
catttgtaca	aggtaattgt	tttttaaaag	aagtcacctt	aggggtggctt	taattgtata	240
agtcaagcac	atgtaataaa	ttcaaaacct	gcagttaaca	ggatattaga	catcaatcct	300
ggtaaccaaa	tattaaagat	tctctttaa	aaagactgaa	catgtttaca	ggtttgaatt	360
aggctaaaaag	gtcttgcagt	ggcttttcat	ggcccttcaa	attggaatgg	aactactgta	420
ctttgccatt	tttctataaa	tcagtacttt	ttttttaatt	ttgatataca	ttgtgtgaaa	480
aaagaaaatg	gctaataaac	tgtattaaat	cttaaaccaat	gtataaagat	tgcacttagc	540

cagttcaaag	tgtatactta	ttcataatga	attataacag	ttatatattct	gtgttttctt	600
gtaaatgttt	cttttccctt	aaatacagat	aattcatttg	tattgcttat	tttattatga	660
gctacaacaa	aaggacttca	ggaacaagta	atgtattagt	atggttcaag	attgttgata	720
ggaactgtct	caaaaggatg	gtgggtattt	taaatataaa	tagctaattg	gggtggtaaa	780

&lt;210&gt; 217

&lt;211&gt; 810

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 217

cttttaggca	gccccgcacc	ttcatccata	ggcagagaga	gaactgggtg	ttggagactt	60
attcgaggt	ataggaaggg	ccctgtgaag	ttgatttaac	ttttggatgt	cagactgtga	120
aagctcctga	gaaacttggg	gtaataggat	cttccttttg	ggatgaaaat	ggggaaggcg	180
tgaggaccta	gactacttct	ccctagggtca	gaaaaagaga	attaccctt	gacaaatatg	240
atacctgcta	ggtatttccc	agggaaattt	agggattggc	gtctttccct	agcatgtgga	300
ggaattggca	gcagacttcc	taagggcggg	gagcgggggc	ccaaggctga	cactgcttgc	360
atccacgtga	cottaagtta	tggcagatga	ctctgaaacg	gactgaggcc	aatgagaaca	420
gatggatgga	gcactcaggt	tagacttgtt	ccttctccta	tgctggagga	gagggatggt	480
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gaaagacact	tcattgagaa	attcttaagc	ttacagaaaa	cctatctctt	tgcacattcc	660
acataacccc	tagcaaaatg	caggttcttc	atacttctgt	cctttttcca	ttggaagaat	720
tgcttaagga	aaaattaatt	cctatttatt	cccacaaaag	gttgggcatt	gctttgattt	780
taccccatgg	gggaatgtgc	ctttgaattt				810

&lt;210&gt; 218

&lt;211&gt; 817

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 218

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gtggcttcca	agtaccggct	tttgctgaag	gtctacatgg	gaagaagagc	atcatttgat	120
attcagtaga	tctgccacac	ccaactggct	ccatctcctg	gaaaacagca	ctcactacaa	180
gcaactgtaa	tagcaccacg	caatgaccac	gctgctcctg	ctggctcttc	cgtacaccag	240
taaatgaact	caccaatgta	ttgcacacat	acatttcaca	gtagtacaat	aaagccctgt	300
atcaggagt	gtaattcaat	gacttgactc	tatagtgcac	tgcagcttta	tgcatacca	360
acattcaaat	attcaaatat	ccttccaatc	catttgagca	aaaatacacc	atggctgcca	420
agacacatgt	atttttcttt	cttccatgga	ctcctaaact	gctcccacaa	tcagcagtgt	480
tcttctctca	gaaattatct	taagcttctc	tactcaatgg	gaggtacaca	cagagacctg	540
agaatatgca	gaggccagaa	tctctgtctg	tgctagagat	caactgtact	ctgccacct	600
ggggaacaca	tcctctgggt	aaagtactcg	gaagtaaatt	acattccctg	gagacagata	660
cgggctttca	ctgcagcctg	ttagaaaaca	caatgtctgt	aagttacctc	ataggtcaaa	720
gagttttgga	ttatatTTTT	cataatgggg	ctatggcctt	tttaccctgg	ttttaataca	780
gaaccacctg	cagaaaggac	attgaaatta	aaagcca			817

&lt;210&gt; 219

&lt;211&gt; 661

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 219

ggatgctgag	gcaggaggat	tgagtcctgg	agtttcagga	tacagtgagc	tatgatcatg	60
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ccattgcact ccagectggg caacagagca agattctgtc tctaagaaaa ggaaaaagaa 120
aatgaataga tagtggtatt agatgttaat gacatcagtt gttttttattc tttattcttt 180
cttagaaaca gattagtttt ctggaattaa agaactacca tttttctttt ttctacaact 240
ttcaagagct ggtgaagaaa tgatgtttag atttaataga tatagtagca gtcatatatt 300
aatagaatag aaactgagac tctaggaaaa agatagacat gagataagga gtaggcattg 360
tagacatttc tagattatct atgaaaatgt tgtagaattc attttttttt ttggtctgac 420
ctttggcaat ggtgctgagg aagggaaagc cagcccatca ggcaaggctc tgtttttctgc 480
attttatccc gtttgattct tctcgttagg attggagcaa ataatttcaa tatgttcttc 540
gctgggttta tcatagtgac ctttcattta aagggacttt taacaattga cttaaagaac 600
actgagatgt gatattttat tgggatttga aagttgccat tgggttttac cttccttaat 660
t 661

```

```

<210> 220
<211> 792
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(792)
<223> n = A,T,C or G

```

```

<400> 220
cctcttttta ttcctacaaa taattttcaa gtacacacaa ttgggtaaac aaagaaacaa 60
agccaccaag aatgaaaatc agtaggaata acgaacaaga ctcacagatg tcaaacaagt 120
ctgtgggtct tgcgacttcc agatgttgga attattagtc gtggcaagng nncaaacat 180
tagctattac cattatgttt accaactagt gaagtgaact atgagaggat atattaacca 240
cagaagttaa tagaagaata gactcctgaa aatatctgga tgctacaaac taaaatatag 300
tatataatcc ttcatagagt gtcagtgact tcatatttat aattacattt ttgtatatta 360
gcagtgttct agttcttact gccttatctt taagctgann nnaaataaaa ttatattttg 420
ggattcaaaa acacatagct aatgattact atgtggcagt gttacattac tttatcacat 480
atcattaaca taatctgcat gtgttcaaag agatcttcat acttctttgt agctccact 540
tctttgtcgt cttttagtagt cccacaacat ctagaacagc acaaccgtat atggagaaaa 600
ctcagcttag tattcgttga atgactaatg gaaaatttag ttnataaaca gaactttctt 660
cattgnacaa attatcttgc agaagaataa tggccttagt ttaaaattat catatttacc 720
catntcncca ngttatttta tctcttttgg ctaanaattt tgaaaacggt accttttacc 780
ctttggcatt tt 792

```

```

<210> 221
<211> 759
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(759)
<223> n = A,T,C or G

```

```

<400> 221
cttttctgct gctccgggag gtggagtggc ctggcagagg gcacatggct gccacctgct 60
gcaaggaaaa ttctcagtga agactcctca gtatgaagga gataagcctg cacaatcagt 120
cactgataga tgcttagtgg aaaaacttcc aattcccatt tacagctctc agagctagga 180
ttaaaaaactc ctggtcataa actcatgtga tgagaagtta tagcacgcc ccattttcta 240
catanccact tgcatttatg gttggctttt gaacttgcta gaagggaag aagtgcaaat 300

```



gtgtcctcct	tagagctact	ctcctccct	tgggtgggtt	ccagtttgtg	cattgtccag	360
atggcccagg	agctgacgat	caaaggggaag	aagtcattgtt	tgtcatgaga	atgctttgct	420
gcattcaggat	tcagtgaagc	tgttcaccgc	ctggagccca	tgcagcctca	agaggcaagga	480
tggagctcag	aaaccatcac	tgagggttaga	aagtgagcac	caaagttgag	ggaagccac	540
aggagtggc	cgaagtgtct	cctttggatt	tccaaagtgg	gtgctgctgc	ttcttccatc	600
agccttgctt	ctgaccccaa	tgcgttcctg	gtgccttctt	ccttggcattt	tgctgtcggg	660
ggcccaagga	aaaaaattcc	tgcattggcag	tggtgaaaaa	agatggctgc	ctgctgaaac	720
ctgatttggc	ctgggtgaagc	cctttggagc	cccgtttaa			759

```
<210> 222
<211> 699
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(699)
<223> n = A,T,C or G
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<400> 222						
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ccacactgac	ctctggnctt	nttnncgccc	gatgattttt	aattagttga	atccctttac	120
ttgttatata	tgtattcata	tattctgttc	cttcttggt	ttacttttat	gattggtgcc	180
tattgaggta	tttattttcta	gtttgtggta	cttcattgtg	ttaggttttc	tagacagtgg	240
acatagaaga	ttcaagaagc	taaatgtagg	agaatgtnta	atgtaggana	ntgaggcnac	300
natatcatca	atgaatgact	tgaagtttcc	tctgttgtaa	agaatgatat	taccataact	360
gccatagnta	atattgatgg	tgtaagtcaa	ataanaaggc	aggaggaaaag	ggacatccat	420
cactgaacca	canatcagag	ntctattgaa	gcctttgaga	agaatccaca	aaattttaca	480
ggataattca	tttctgcga	tcaccacnag	aagagaaact	ggttaaacag	acaggtattc	540
cagagtccaa	aaatttacat	tctggtttcng	aaccaaaagc	ctcagctccc	aggccacagc	600
aaaagggggc	ttatgaattc	cctggcaccc	agncccaaga	cccaanaacc	tcattctgat	660
tggttttnggg	cttgggaaac	caaaaaacca	atgggtggc			699

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<210> 223
<211> 598
<212> DNA
<213> Homo sapien
```

<400> 223						
aaaaagagaa	agtttcagat	ttgccattca	aggcttattt	atatatatgt	gtgtgtatat	60
aaatacatgc	acacacttgc	atacatatat	atttttggct	gggggagtg	gagttttgcc	120
tttctaagg	agggaccgcg	caggctcctt	tgttctgtat	tctggcggag	atgggtcctg	180
gccttgtgtc	actggccttat	ccttaaagat	catctcccat	cctccccagc	gccatctgtg	240
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tttgaagag	aatgaggaag	caaagagtga	gaaagaatag	gggctgaaga	cgccactccc	540
agatggctct	ttctatcctg	ctcttctgtt	gaaacacacg	tgctgtgggc	ctcaggcg	598

```
<210> 224
<211> 501
<212> DNA
<213> Homo sapien
```

<220>  
 <221> misc\_feature  
 <222> (1)...(501)  
 <223> n = A,T,C or G

<400> 224

aaacctttat	gatgacttcc	ttatgaatta	ctgaacgaac	actggaatgg	gactcaggtg	60
tcttgaggac	atctctcaac	tctggcctta	gttccccctc	tgtaaaatta	gggtgccaac	120
taaatgatct	acaaggtccc	ttccagcgcc	gccattctgt	aattacatca	tgtgtaactg	180
tattaaacat	acacaagtga	ctgccaggca	tggaatgta	acttccgagt	aaatgctttg	240
gtttgttcag	aatacactat	gaacttcttt	ccaaagacgg	gttgtggtta	atagtggata	300
ttttgattat	aagaaataga	gtttccttga	agcttttagct	ggagatacag	caatagtgtg	360
gtgttcctac	aaatatcaca	gtgtattcaa	acatatTTTT	ctatcaaaaa	tcatttttgt	420
aaaagctgtg	tgtttttatc	caacttgtga	taataaatgt	tctttatttt	agaacaaana	480
aaaaaaaaaa	aaaaaaaaaa	a				501

<210> 225  
 <211> 295  
 <212> DNA  
 <213> Homo sapien

<400> 225

cctgtatagg	gctcgtttcc	ccacacatgc	ctatttctga	agaggcttct	gtcttatttg	60
aaggccagcc	cacacccagc	tactttaaca	ccaggtttat	ggaaaatgtc	aggaaaaaaa	120
aaaaaaaaaa	cacatgcact	cacacaatac	ccaaacatca	raattagaag	ggcataaaac	180
agggggcttt	ataggctgaa	aaatatctta	ratttcaraa	cagaatacca	atcaaatatt	240
gaaaattcct	ttgttcaaaa	cacaaagatg	ttttgttttt	aatgggagtt	ttttt	295

<210> 226  
 <211> 372  
 <212> DNA  
 <213> Homo sapien

<400> 226

agattcctgg	cttagagcat	gcgagcattg	aaggaccaat	agcaaaactta	tcagtacttg	60
gaacagaaga	acttcggcaa	cgagaacact	atctcaagca	gaagagagat	aagttgatgt	120
ccatgagaaa	ggatatgagg	actaaacaga	tacaaaatat	ggagcagaaa	ggaaaaccca	180
ctggggaggt	agaggaaatg	acagagaaac	cagaaatgac	agcagaggag	aagcaaact	240
tactaaagag	gagattgctt	gcagagaaac	tcaaagaaga	agttattaat	aagtaataat	300
taagaacaat	ttaacaaaat	ggaagttcaa	attgtcttaa	aaataaatta	tttagtccgt	360
atgaaatgaa	at					372

<210> 227  
 <211> 599  
 <212> DNA  
 <213> Homo sapien

<400> 227

ggcccccgtc	gcgggagccg	cttcgggcct	tctgggcatg	tctgccatat	ggctccaggt	60
ttgtttttct	ccccggcact	ctgacgggga	gggctcccgg	catctcctgg	catccgggta	120
gaggacgcgg	aggatgctga	gctgctggcg	cactgcagca	caactagaga	tgtacggatg	180
ccccatctt	gatcttacag	aatcagaggt	acagccgcga	gaaagagtca	agaacagaca	240
gagtcgcttg	aggactcagg	agggtgtttg	ctgcgttgac	aacagactac	accctcacag	300

tttgctctgc	tcttccaaca	ccagtgaag	atgatcacat	cccagggatc	agtgtcggtt	360
agggatgtga	ctgtgggctt	cactcaagag	gagtggcagc	atctggaccc	tgctcagag	420
accctgtaca	gggatgtgat	gctggagaac	tacagccacc	ttgtctcagt	aggggtattgc	480
attcctaaac	cagaagtgat	tctcaagttg	gagaaaggcg	aggagccatg	gatattagag	540
gaaaaatttc	caagccagag	tcctctggaa	ttaattaata	ccagtagaaa	ctattcaat	599

&lt;210&gt; 228

&lt;211&gt; 343

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 228

aaagtaaatt	gtatgaaaaa	ttcatttctt	caattgcatt	agccacattt	tgagtattca	60
tgtggctggt	agattctgtg	ttagcacaaa	gatatggaac	atttccatca	ccacagaaaag	120
ttctgttgga	cagcactgca	ttagaatatt	ttcatactgc	tcttcctcaa	ttaatttttg	180
ttgttaattg	tgatgtcttc	attggatggg	tcataatgtt	ccatgaaacc	gctcaagtac	240
acaattgtat	gttcttttga	tcctttacca	caaatatctc	gctctgtctc	tttcttttgc	300
agcttcctat	aaagtttgtc	ttcctcaaaa	aaaaaaaaaa	aaa		343

&lt;210&gt; 229

&lt;211&gt; 417

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 229

ctcaagctgc	agtccaccgg	gtatggttct	ggatggttcc	cccaagggag	caggtatgta	60
ggaggtgaag	aaaactgaga	tttcaagtat	gggagagttt	ttactatctc	cattcctgga	120
ttaaaagtgc	tgaaaaagtc	cacagttaaa	cattccttta	ttcaccttat	ggctcccaag	180
aaaagcattc	ttcctctgga	gtactgggtg	actaagggga	caatacacca	aatttggtga	240
gtttacaatc	aagtctacta	aggttggact	tccttatcag	tttggcagag	tcccagggca	300
gaataatcat	ccatctacag	gtctctgttt	cctctccctc	cgcagcagtg	gagagcatcc	360
cagtgtttgg	ggcactgtgt	tcctcttcgt	ccctgcacca	gaccttgga	gccttgg	417

&lt;210&gt; 230

&lt;211&gt; 462

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 230

gaaataccag	aagagaaagt	ttcattgtgc	aaatctaact	tcatggcctc	gctggctgta	60
ttccttatat	gatgtgaga	ccttaatgga	cagaatcaag	aaacagctac	gtgaatggga	120
cgaaaatcta	aaagatgatt	ctcttccttc	aaatccaata	gatttttctt	acagagtagc	180
tgcttgtctt	cctattgatg	atgtattgag	aattcagctc	cttaaaattg	gcagtgctat	240
ccagcgactt	cgtgtggaat	tagacattat	gaataaatgt	acttcccttt	gctgtaaaca	300
atgtcaagaa	acagaaataa	caacccaaaa	tgaaatatcc	agtttatcct	tatgtgggcc	360
gatggcagct	tatgtgaatc	ctcatggata	tgtgcatgag	acacttactg	tgtataaggc	420
ttgcaacttg	aatctgatag	gccggccttc	tacagaacac	ag		462

&lt;210&gt; 231

&lt;211&gt; 328

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 231

```
<210> 232
<211> 595
<212> DNA
<213> Homo sapien
```

```
<210> 233
<211> 600
<212> DNA
<213> Homo sapien
```

```
<210> 234
<211> 500
<212> DNA
<213> Homo sapien
```

<400> 234						
aaattcctaa	ttcttttact	atctttctcaa	cttttcccaa	agataaaaata	aatttcacat	60
aatttcatgg	aggggaaatg	gtagttgttaa	aaaactacct	caagtagcaa	tcaccgctgg	120
cagtgttttc	tcactttctg	ttctgcaatt	gcaatcacac	ttccaaaaag	aaaagcaaat	180
gtttgctaaa	ccatagacag	acaacctott	tgtgactggg	attataaggg	ttataatgaa	240
aacttatcaa	atataaaaag	tgctccctct	tgaaaaatgt	tatttttatt	gaagttttga	300
gtaagagggtg	agtgtttggc	aattttcaac	actccctcga	aaaattctcc	aaagttgcaa	360
aaaagtcaqt	ttagtataaat	tccaagcact	taaatgcttc	attgagggcc	agttgatata	420

```
<210> 235
<211> 159
<212> DNA
<213> Homo sapien
```

```
<210> 236
<211> 254
<212> DNA
<213> Homo sapien
```

```
<210> 237
<211> 591
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(591)
<223> n = A,T,C or G
```

```
<210> 238
<211> 252
<212> DNA
<213> Homo sapien
```

<400> 238  
aaatggcttt tgccacatac atagatcttc atgatgtgtg agtgtaattc catgtggata 60

tcagttacca	aacattacaa	aaaattttat	ggcccaaat	gaccaacgaa	attgttacia	120
tagaatttat	ccaattttga	tctttttata	ttcttctacc	acacctggaa	acagaccaat	180
agacattttg	gggttttata	ataggaattt	gtataaagca	ttactctttt	tcaataaatt	240
gttttttaat	tt					252

&lt;210&gt; 239

&lt;211&gt; 153

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 239

ccacaataaa	gtttacttgt	aaaattttag	aggccattac	tccaattatg	ttgcacgtac	60
actcattgta	caggcgtgga	gactcattgt	atgtataaga	atattctgac	agtgagtgc	120
ccggagtctc	tggtgtaccc	tcttaccagt	cag			153

&lt;210&gt; 240

&lt;211&gt; 382

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 240

aaaaaaacca	tctaaaagt	gttttttaat	atatatattt	tttccaaagg	aagaaatttc	60
ttgcttttac	tcagggaaaa	aaaaaaatta	aggtacattt	gagtagaatg	atttcaccta	120
aaagagttct	ttcaggagac	atctgtgatt	cactgcattg	tttttatttt	cttctttttc	180
ctcttctttt	ccaacatttc	taccattttc	ctcttcttgg	ttgatatcag	gccactttct	240
tttggttgctt	tcttactgtc	acctgttaaa	ccgcgtttct	ttgtgttagg	ttttgaccgc	300
ttttcttctt	tgtgcactgt	gtcaccaggc	tcctttttgc	caattttgga	ctgttcttta	360
cttacaggag	aaggctctgc	ag				382

&lt;210&gt; 241

&lt;211&gt; 400

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 241

ggcatgagcc	accgcgccc	gccctatctt	ttacttttat	aaatagagat	gaagtttcac	60
catgttgccc	aggctggtat	cgagctcctg	ggctcaagcg	atcccccaac	cttggccttc	120
caaagtgtct	ggattacaag	cgcgagccac	cgaaattatt	cttaactagc	aagactaggc	180
tctgacatca	catcettata	gttacatccc	tttaagcagg	gttcagccac	tcactctgca	240
cctggagaac	ttgatgggta	tcctctogaag	tgacagtcct	gcaaatgaca	aaaacactcc	300
aaatctatta	ggttggtgca	aaagtaatta	cgctttttgc	cactgaaagt	aagtcccaca	360
ggaccctgag	ggaatggga	gggtggggta	tacatagcag			400

&lt;210&gt; 242

&lt;211&gt; 75

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 242

actcacatat	gcagacctga	cactcaagag	tggttagcta	cacagagtcc	atctaatttt	60
tgcaacttcc	tgtgg					75

&lt;210&gt; 243

&lt;211&gt; 192

<212> DNA  
<213> Homo sapien

<400> 243  
gctccacatt tgtagcgaac actttgactc caaagagaag gaggaagaca aagacaagaa 60  
ggaaaagaaa gacaaggaca agaaggaagc ccttgctgac atgggagcac atcagggagt 120  
ggctgttctg gggattgccc ttattgctat gggggaggag attggtgcag agatggcatt 180  
acgaaccttt gg 192

<210> 244  
<211> 616  
<212> DNA  
<213> Homo sapien

<400> 244  
aattttatag caatatactg accattctaa aaataacaaa atacatgttg ctctcaacta 60  
catagttaaa aaaggtagta aattctctta cccaaaatag aggaggggtg ggctagttag 120  
ctgctcaaac atttgtaaca aataaaaaatg tatctatata catataatga tcatgttttc 180  
atagcctaaa atcaccatac aaaatctaata aataaaaattg tgtcgtgttc aggagtggg 240  
aagccaacac attaaattaa caaagtattt ttggtatatg taaataatgg gatagaatct 300  
ctcgaatcag gattgtccca gaagttctaa ggcagatgac aatgacatgc acattgtcca 360  
tgttcagtaa ttttcaaaga ctagaataaa ctatgtaaac tattcaatac aattcaatat 420  
tacttaactg ctaaaaagta cttcaagatc ttgcaactgc ttgagttagt ataatacaat 480  
tagtaattgg aaaatagctg taatagcagg cactgaagaa ttctgacaaa taccaaataa 540  
ctgtttgttt ttaccaaata aactggtaag atgatatcac aaagggtttt aagttatttt 600  
gctatacaag gttttt 616

<210> 245  
<211> 165  
<212> DNA  
<213> Homo sapien

<400> 245  
ttggaacagt ggattaaaat ccagaagggg aggggtcatg aagaagaaac caggggagta 60  
atttcttacc aaacattacc aagaaatatg ccaagtcaca gagcccagat tatggcccgc 120  
taccctgaag gttatagaac actcccaaga aacagcaaga caagg 165

<210> 246  
<211> 229  
<212> DNA  
<213> Homo sapien

<400> 246  
tgtactggat cctccaggt gggggcgact ctcacctgac tattacaata gcctcctaag 60  
tggtttccct acttgcaacc ttgccgctat aatatctatc ctccacacag caggcagggc 120  
gatcctttaa gaatagaagt tagatcatga aaatgctctg ctctgatccc tgcaaaagct 180  
cgccacctcc ttacagtcac cgctgaactc gtagcagagg ttcaggagg 229

<210> 247  
<211> 338  
<212> DNA  
<213> Homo sapien

<220>

<221> misc\_feature  
 <222> (1)...(338)  
 <223> n = A,T,C or G

<400> 247  
 ggaaaccgtg tgtacttata ctggatgatg ccaccagtgc cctggatgca aacagccagt 60  
 tacaggngga gcagctcctg tacgaaagcc ctgagcggta ctcccgtca gtgcttctca 120  
 tcaccagca cctcagcctg gtggagcagg ctgaccacat cctctttctg gaaggaggcg 180  
 ctatccggga ggggggaacc caccancagc tcatggagaa aaaggggtgc tactgggcca 240  
 tggngcaggc tcctgcagat gctccagaat gaaagccttc tcagacctgc gcaactccatc 300  
 tccctccctt ttcttctctc tgtggtggag aaccacag 338

<210> 248  
 <211> 177  
 <212> DNA  
 <213> Homo sapien

<400> 248  
 tgaaaacaaa tgaattotca actcctacgg ttcatgtaga gtttagagaa aatttccatc 60  
 attgtcatca ttgaactgtg aacctgggaa gccagatcat gattaacact gacatcaagt 120  
 ttcaagttgc agatcaatgc acccagtgtt cagatgaggc aaacttctcc gtgacaa 177

<210> 249  
 <211> 263  
 <212> DNA  
 <213> Homo sapien

<400> 249  
 aaagtaatga ctttattaat aaatatacat ccatatgatg atgtagatac aaatcatgaa 60  
 cactactcca ttcccataca cataattgca cagcagtagc tcaagttcat ggacataaaa 120  
 acatacacag tatctattca gactttttac agcagaggac agcgtgctta ttatcagtta 180  
 attggttaatt attttctcca aaattacctg tggaaaaaag aaattctgaa aacttaaaaag 240  
 aatcaaagtg atctgattac ttt 263

<210> 250  
 <211> 333  
 <212> DNA  
 <213> Homo sapien

<400> 250  
 aaaaaaaaca acagcgtaaa tattagccca caagagcagt cctaaacaat cacaattaca 60  
 ctgtactacc caagaagact gtttattgtg aagcatttac ctttcaaaaa atcattacat 120  
 ttctatttct tgggtggagca gcacattgtg gagtgtgatt cttaattott cattgagttt 180  
 gtcaatagga cattgatgct ggatagggtg tcttttggtt ttatgcctca gaccatcttg 240  
 tgagattgtt tgcctatctc ataatacagt tttatgcaga aaggttgaaa ctatgtaaat 300  
 ggtttttatg gaaattatca gttacaatat ttt 333

<210> 251  
 <211> 384  
 <212> DNA  
 <213> Homo sapien

<400> 251  
 aaaccatttg tacaaaactt ctataaattt ttctctctct ttctctctta tgtacaaaaa 60

7450 "9294860



tatcttaata	tatccccgaa	ctggttagga	tagatacaaa	tagatTTTTT	ataataaaaa	120
attcacaaaa	gatttgaagc	attctataat	gaaaatggta	gaaaagacag	tgtgagggaa	180
gccatggggg	ttgggaatcg	ggccctggag	gagaagcaga	gtttcaaagg	gctgagaata	240
gcatagtttc	actgtaaacc	aatgtctaca	gcttattggg	gtgggggcta	ctgagacgaa	300
agacaccaac	tcgtttctag	agggctaaga	actgcacttt	aagaaagggc	ggggaggtga	360
agggacccga	gcaagaactt	tcag				384

&lt;210&gt; 252

&lt;211&gt; 211

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 252

aaagcagtct	gaaaatggga	catctgtaga	gaaattcatt	tccttcttct	cctccggatg	60
tggaatggaa	gctttgaggg	aaggaaaagt	aggaaaagag	cgggatggga	tgggatggga	120
tgggatggga	tgggatagga	agagaggctg	gggaatgggc	agagaagggg	gtgctgagtg	180
tgctgtgaga	tagagcaaga	tcacaagaag	g			211

&lt;210&gt; 253

&lt;211&gt; 135

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 253

aaaaattgtt	tcttgacaag	ctgacttggc	acttaagtgc	acttttttat	gaagaaaaag	60
tacaatgaac	tgtttttcct	caagcaataa	ttgtttccaa	cttgtctggg	aattgtgtgt	120
ctggttaactg	gaagg					135

&lt;210&gt; 254

&lt;211&gt; 361

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 254

cctgtagccc	ctgctacacg	ggaggctgaa	gtgggaggat	cacttgaacc	aatgaggggtg	60
aggttacagt	gagcccagat	catgccacta	ctctacaggc	tgggtgataa	gagtgagacc	120
ctgtatcaaa	aaaaagacaa	ggaaaaaaaa	aactgggccg	tttgTTTTTg	cagaatgtct	180
ctcaatttgg	acttttttggg	caggaataca	atacaagtga	tacaaatgct	tctttaacat	240
tagaacctgt	ataaaattac	cattacagac	cttgctattt	tacttatagg	taaatcactg	300
tttaccaagg	taagtctttt	gggaatttcc	aaaaatgaag	tccatggaca	gttaaaaact	360
g						361

&lt;210&gt; 255

&lt;211&gt; 331

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 255

aaaaaaataa	ataatccacc	aacgtgattg	accttggcga	gatcatgttt	ctagtctata	60
cctcagtttc	cccattctgta	aagtgaggat	aatgtcccac	cccatgtaac	tgtggtgagg	120
accaactgca	acactgtgcc	tgcgagtctc	cttggaaaag	tgtaaggttc	tacacaaatg	180
gaaagtgatc	tgatcacact	cagtgtcccc	agcccagcct	ttcagtgcc	tggccctggg	240
gtgggggaca	atactctcct	caccccttcc	actagtcttc	atgaatagca	aggaggccat	300
aacataattt	ggtctaaacc	ccttcctttt	t			331

<210> 256  
 <211> 186  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(186)  
 <223> n = A,T,C or G

<400> 256  
 cttttgggcc cttgcacttt gacctgcaat ggggccacac cagccttget tgtgtccacc 60  
 tggaaggact gagggagggt ggcacgaacc atgcctgggc tcaggccggg cccanagcac 120  
 ttgaccttgg acgcatctgt cacatcatgc acagggaacct tgaaaggact gcctggcact 180  
 tgatgg 186

<210> 257  
 <211> 255  
 <212> DNA  
 <213> Homo sapien

<400> 257  
 ctgggggtccg tcaccgacct ttgggggaact gggctacggg gaccacaagc ccaagtcttc 60  
 cactgcagcc caggaggtaa agactctgga tggcattttc tcagagcagg tcgccatggg 120  
 ctactcacac tccttgggtga tagcaagaga tgaaagtga actgagaaaag agaagatcaa 180  
 gaaactgcc gaatacaacc cccgaacct ctgatgctcc cagagactcc tccgactcca 240  
 cacctctcgc ggcag 255

<210> 258  
 <211> 604  
 <212> DNA  
 <213> Homo sapien

<400> 258  
 ctgaatttgc aatggagttt ggtggtgcaa tcggtattga ttagtttggc atagacagat 60  
 gcagcagttt agagcaaat cgagaaaatg attttttttt tcctccttga tttcctggca 120  
 gaagatatct tactttttca gcaaaccttt cttttaacac taaagcagcc tagggcaatg 180  
 ccagatactt agagcttttc tcttgattat aagtagaaat gggggtgtct gggctagagg 240  
 tggaggggtg atgtgctgtc gtcacagtct agctggcagc aagcaaggca aaagcagaga 300  
 ctgctctaga agcggttcca agcagcagag acgtcaggaa aggcacttct tagtaccaac 360  
 ctctatgctt taatagttgc ttgttaagct gcttcatggg ttgagacaaa ctaccagcac 420  
 ttcaaagagc tcagttctct gctcaactct cttctctagt tacattattt tttttccttc 480  
 aggagactga ggcaggaaaa tcgcttgaac tcaggagggtc gaggccgcag tgagccaaga 540  
 tcacaccacc gcactccagc ctgggccttg caaagtgcta ggattacagg aatgagccac 600  
 cagg 604

<210> 259  
 <211> 429  
 <212> DNA  
 <213> Homo sapien

<400> 259  
 aaaaatgtct gtatcgagat cttccagttt gaagtottcc tcctctgtgt cttcccaagg 60

054950.0504

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ctctgtggca agctccactg gttctcccg c ttccatcaga accactgact tccacaatcc 120
tggctatccc aagtacctgg gcacccccca cctggaactg tacttgagtg actcacttag 180
aaacttgaac aaagagcggc aattccactt cgctgggtatc aggtcccggc tcaaccacat 240
gctggctatg ctgtcaagga gaacactctt tactgaaaac caccttggcc ttcattctgg 300
caatttcagc agagttaatt tgcttgctgt tagagatgta gcactttatc cttcctatca 360
gtaactgctc cgtgttcaga ctctgggtt cttccaggct tacagtggac atcatcagct 420
tctgcttt 429

```

```

<210> 260
<211> 385
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(385)
<223> n = A,T,C or G

```

```

<400> 260
ctgcaacaca tgcagcacca gtctcagcct tctcctcggc agcactcccc tgtcgccctct 60
cagataacat cccccatccc tgccatcggg agccccccagc cagcctctca gcagcaccag 120
tcgcaaatac agtctcagac acagactcaa gtattatcgc aggtcagtat tttctgaana 180
cgcatatggc agacggattht gcgtatacca aggagagtgg cataggaggg aaaagcatat 240
gtggctgaaa cctgtaagtt ggtgttggtt atgcagaaat gtgtaacaga tcaaacggtc 300
ctctcaagtg tctattanat aggcaataag aactgcagtg tagctgagta acatctttta 360
gctgactata aatcactttg ttttt 385

```

```

<210> 261
<211> 230
<212> DNA
<213> Homo sapien

```

```

<400> 261
ctgtactgga tccctccagg tgggggagac tctcacctga ctattacaat agcctcctaa 60
gtgggtttccc tacttgcaac cttgcccgta taatatctat cctccacaca gcaggcaggg 120
cgatccttta agaatagaag ttagatcatg aaaatgctct gctctgatcc ctgcaaaagc 180
tcgccacctc cttacagtca ccgctgaact cgtagcagag gttcaggagg 230

```

```

<210> 262
<211> 198
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(198)
<223> n = A,T,C or G

```

```

<400> 262
atgttaagta aacatgaaat ctatataaca gaacaaaaat tcactcttat gtcaatgtca 60
gcgtgttaat gtagatctat ttactganac agactctgta gtggcagaga gtggccttgt 120
taagccagga ccctgttctg caggctgtgg gtagaagcta ggaagtcctt ggagtttcac 180
ccagcttttc catgaatg 198

```

<210> 263  
 <211> 157  
 <212> DNA  
 <213> Homo sapien

<400> 263  
 aaaatatatt tctaaacaga atgggccgac tcagtcacag taactgttga tctccatagt 60  
 agagcaaccc acaaagacag aactgatttt tttcccataa tcagggttga aaaatatata 120  
 acttgtttct gaaccaaaac cacaatttct gcagttt 157

<210> 264  
 <211> 290  
 <212> DNA  
 <213> Homo sapien

<400> 264  
 ctggctactc caagaccctg gcatgaggct gaggacaact tacaagggct tcaccgaagc 60  
 agtggacctt tattttgacc acctgatgtc cagggtggtg ccactccagt acaagcgtgg 120  
 gggacctatc attgccgtgc aggtggagaa tgaatatggt tctataata aagaccccg 180  
 atacatgcc tacgtcaaga aggcactgga ggaccgtggc attgtggaac tgctcctgac 240  
 ttcagacaac aaggatgggc tgagcaaggg gattgtccag ggagtcttgg 290

<210> 265  
 <211> 234  
 <212> DNA  
 <213> Homo sapien

<400> 265  
 aaaaaaagga aaggaaagag aggaaaagaa aataaaataa gacgatttat tgcttctcct 60  
 cagcatcctc cttggtctcc tcttcaccg agagagcttc tagcttttcc gccacttttt 120  
 cgcatgatc atttttgcc gatcctttct tttctctctc ttcgatctct ttcctgcatt 180  
 cttcaaactt tgttttgaat ttctgtgcat ttcagcatt caggaagcgg atgg 234

<210> 266  
 <211> 335  
 <212> DNA  
 <213> Homo sapien

<400> 266  
 gtctcatca tcccagtttg aggcatgct ggagtgggga aggccttctt agaccataga 60  
 gggttgaaga cgctgagaga tcatccagcc cagccccttg atgttacaga gcagaagaca 120  
 gatgccc aaa caggagaagg cacttgccca cggtcatacg gcaggttgcc aaaaaaccaa 180  
 gatggcagcc cttcctcagc gtgcctcact gccactccca gagccaggga gcccataaaa 240  
 accacatca tgtcttaaga gtatatctgg ctcccttgacc agcaatcggc cctgggagcc 300  
 accaggtggg aaaagcgcc ctgccagagt ccagg 335

<210> 267  
 <211> 619  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(619)

780334260

<400> 267

tggagctctg	acgaagggat	cggggagggtg	ctggagaagg	aagactgcat	gcaggccctg	60
agcggccana	tcttcatggg	catggngtcc	tcccagtacc	agggccggct	ggacatcgng	120
cgctcattg	atgggcttgt	caacgcctgc	atccgctttg	tctactttctc	tttggaggat	180
gagctcaaaa	gcaagggtgtt	tgcanaaaaa	atgggcctgg	agacaggctg	gaactgccac	240
atctccctca	cacccaatgg	tgacatgoot	ggctccgaga	tccccccctc	cagccccagc	300
cacgcaggct	ccctgcatga	tgacctgaat	cagggtgtcc	gagatgatgc	anaagggtctc	360
ctctcatgg	aggaggagg	ccactcggac	ctcatcagct	tccagcctac	ggacagcgac	420
atccccagct	tcttgaggga	ctccaaccgg	gccaaagctgc	cccgggggtat	ccaccaagtg	480
cggccccacc	tgcagaatc	tgacaacgtg	cccctgctag	tgccctttt	caccgactgc	540
accccanaga	ccatgtgtga	gatgataaag	atcatgcaan	agtaocgggga	ggtgacctgc	600
tgcttgggca	nctctgcca					619

<211> 147

<212> DNA

<213> Homo sapien

<400> 268

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cctataaccc agacaccagc atggacaaaa ctcaagtata ctgaattcag agacaaaatt      60
cagtgacact cttctaccac ttatttaggg ttctacagca tttoactgag cagacttagt     120
tttttgtttt tgttttacaa acotttt                                     147
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<210> 269

<211> 325

<212> DNA

<213> Homo sapien

<400> 269

ctgagctgta	ggaatgggtt	cttggtacac	aagatagtat	tgttgagcta	gttttcgagc	60
tctgtgcaca	agcactctgt	aatcggggcc	catgccactg	tacaccaaac	ctatatgctt	120
gtaattgggt	tctactttgt	gtacacttgg	ctcatcatac	agaatggatt	tctgtttttt	180
ctcagtttgt	aataccacac	caatttcgagc	tttaattccc	acggacgggg	ctcctccagc	240
tacagcagcc	aagcatatct	caatctggac	aagtttacca	gacgggctga	atgtagtccg	300
cgaaaaagctg	taccgcgcgt	ccgcc				325

<210> 270

<211> 428

<212> DNA

<213> Homo sapien

<400> 270

aaacatatgg	taaattaccg	agtgcacoc	ctgggctaga	gacocctttt	gaggggagtt	60
tgcaaactac	ggattcaatt	tctttaacag	ttatgaagtt	ctttaaagaa	cctgttttgt	120
attggggggg	tgtggtcacc	tgtgcttttc	tgagatttgg	cccctacatc	taagtgtgtg	180
aatgcatgtg	tgtagagttg	tttatggtgc	ttccctttct	tcttagaagg	gtctatagta	240
atatccctcg	ccttatccct	agtagtacta	atttgtgttt	tcttacttct	tgacaggcaa	300
acacatcaga	gcataagtgg	ttcctaattg	caagctgacc	tcccttgatc	tctgtcttct	360
acaggataatt	gacatgggac	ttctttatta	ccttttcagt	tcactgatac	cttcaaatag	420
ctttatttt						428

<210> 271

<211> 206  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(206)  
 <223> n = A,T,C or G

<400> 271  
 cgtcccggag cccacggngg ncatggctgg canagcgctc tgcattgctgg ggctgggcct 60  
 ggccttgctg tcctccagct ctgctgagga gtacgtgggc ctgtctgcaa accagtgncc 120  
 cgtgccagcc aaggacaggg tggactgcgg ctacccccat gtcaccccca aggagtgcac 180  
 caaccggggc tgctgctttg actcca 206

<210> 272  
 <211> 83  
 <212> DNA  
 <213> Homo sapien

<400> 272  
 ctggtttccc tgagaactca acaatgcctt ttcttgaggg ccttcctcga tcattccaaa 60  
 tgactacagc cctctctacc tgg 83

<210> 273  
 <211> 472  
 <212> DNA  
 <213> Homo sapien

<400> 273  
 ctggagaagg tgtgcagggg aaacctgct gatgtcacgg aggccagggt gtctttctac 60  
 tcgggacact cttcctttgg gatgtactgc atggtgttct tggcgctgta tgtgcaggca 120  
 cgactctgtt ggaagtgggc acggctgctg cgacccacag tccagttctt cctgggtggc 180  
 tttgccctct acgtgggcta caccgcgctg tctgattaca aacaccactg gagcgatgtc 240  
 cttgttgccc tcctgcagggg ggcactgggt gctgccccta ctgtctgcta catctcagac 300  
 ttcttcaaag cccgaccccc acagcactgt ctgaaggagg aggagctgga acggaagccc 360  
 agcctgtcac tgacgttgac cctgggagag gctgaccaca accactatgg ataccgcac 420  
 tcctctctct gaggccggac cccgcccagg caggagagct ctgtgagtcc ag 472

<210> 274  
 <211> 205  
 <212> DNA  
 <213> Homo sapien

<400> 274  
 ccaggcggcc cgaggactta cggtcggcac ttctctgttc tcccgtgtca gcgtgtggtg 60  
 tcgcttgcac gggtcgtaac tggatgggtg gtccaccatc gacacggagg ggctggattt 120  
 gttttctcagg caatcctgta ttttaatttt agatgtatct cctgaagcat atttttcata 180  
 gaatgtagcg tgtaaatagc ttttt 205

<210> 275  
 <211> 308  
 <212> DNA  
 <213> Homo sapien

T03050 "9236-4860"

<400> 275  
 ctctctgccc tccccaccga catcatgctc cagttccagc ttggatttac actgggcaac 60  
 gtggttgga tgtatctggc tcagaactat gatataccaa acctggctaa aaaacttgaa 120  
 gaaattaaaa aggacttgga tgccaagaag aaacccccta gtgcatgaga ctgcctccag 180  
 cactgccttc aggatatact gattctactg ctcttgaggg cctcgtttac tatctgaacc 240  
 aaaagctttt gttttcgtct ccagcctcag cacttctctt ctttgctaga cctgtgttt 300  
 tttgcttt 308

<210> 276  
 <211> 201  
 <212> DNA  
 <213> Homo sapien

<400> 276  
 aaattaactt tttcttgcaa aatattcatt tcattttttc caagaaaatc ttataaaggc 60  
 aaaaataaaa ttttattttg gcaaatgtca tgaagtcgat actggcagca tatggagtta 120  
 gttaaaaata gacaacaact gctagatata ttcaaaattc tatttttttt tctgagcata 180  
 gtcaaagaga aattttcatt t 201

<210> 277  
 <211> 520  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(520)  
 <223> n = A,T,C or G

<400> 277  
 aaaaaaaaaag tattcagcac catttgctca tnggtctttc agagtgtgtt cttaaagttt 60  
 ctggaacttt cctgtctgta aagtaacagg aattactgag ctacattgga aagcctctct 120  
 gggacaggca gtggggagtt aagcagtcac cataaaggaa tcagtgtaca ttcagcatgg 180  
 tgacttgact acacaacaat cccttccctt ctactgtagc tcaagagaga catgcttcta 240  
 accactgagg tatgaggagt ctcagactgt tatttgctgt tagaattggc cttcccagct 300  
 aataacagta catctctggc acagatgcta ttggtcctta atgtcctgtg attttaggaa 360  
 atagtttgga tttagttaa tttattcaga aaccaaactg gtttaattag cttcactact 420  
 ctggcagagt aagggtatgc tggtttagta tctttataaa atatatataa tgtataggtta 480  
 aatcatagtc ttaaatcata cctaaaatac tgtatcattt 520

<210> 278  
 <211> 264  
 <212> DNA  
 <213> Homo sapien

<400> 278  
 cgcgcggggc ggaactttcc agaacgctcg gtgagaggcg gaggagcggc aactaccccg 60  
 gctgcgcaca gctcggcgct ccttcccgtt ccttcacaca ccggcctcag ccgcaccgg 120  
 cagtagaaga tggtgaaaga aacaacttac tacgatgttt tgggggtcaa acccaatgct 180  
 actcaggaag aattgaaaaa ggcttatagg aaactggcct tgaagtacca tctgataag 240  
 aacccaaatg aaggagagaa gttt 264

<210> 279

706050" 92364850

<400> 279

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<210> 280
<211> 262
<212> DNA
<213> Homo sapien
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<400> 280

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<210> 281
<211> 349
<212> DNA
<213> Homo sapien
```

<400> 281

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<210> 282
<211> 381
<212> DNA
<213> Homo sapien
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<220>

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<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G
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<400> 282

aaacactaaa	tgaagcttct	cacaatttct	aattataaac	aaaaggctga	aaacagtatg	60
ggaacaaag	tttcaaaaca	aagaaaagtt	gagtaaaagg	tgccccctct	atggctcatc	120
tgaaggaaac	atttttactca	gagaggcaaa	cattttctgat	ctaggagtaa	gtttcccact	180
cactttgcaa	ggaccaccctc	attctgcana	aagacctata	agtttttctg	gtctcaattg	240
caaagtcagt	gaaaatgtgt	atgaaagatc	taaaagctaa	atattagaat	aaggctaatt	300



gaaatcaaaa ttgtgtgctg gtctaaatat acatottcgg cttcttcott tttagtaagt 360  
 atttttattt cagatgtatt t 381

<210> 283  
 <211> 543  
 <212> DNA  
 <213> Homo sapien

<400> 283  
 aaatagctc ctccctaccc ccaacaatgg accctgccc ttgcctccc gttccttgat 60  
 cttoctaggt tccacaactc tctttttcct tttagtttta ttccctccag ccaaacctct 120  
 cttattcaat attttgagcc aatgggggag ttatgtagat tttttccct acacattagc 180  
 tggccccctt tatgaccaat gactcataag gcaagatgtg tgggtggcatc ttcgacagc 240  
 cagcaggctt taatagggca gcctgggttg gtggaggcaa gcaaagctaa ttggcatgcg 300  
 tgggaatcaa accccaggcc ctgggctcat tagcccatgg tcaaaacaac tgagccagag 360  
 gaggttaataa ttgcccag aatatcagta gttcctttat tagaagaaa tggctgatat 420  
 ggaagtggg gaatctgaat tgccagagaa tcttgggaag agtaataagc tcttagtctc 480  
 aacaaaaagt gttttttcat ctacgcgcgt aaagggtgct atatgggaac aaagaagtat 540  
 ttt 543

<210> 284  
 <211> 147  
 <212> DNA  
 <213> Homo sapien

<400> 284  
 aaactggtat tttatctttg attctccttc agccctcacc cctggttctc atctttcttg 60  
 atcaacatct tttcttgct ctgtcccctt ctctcatctc ttagctcccc tccaacctgg 120  
 ggggcagtgg tgtggagaag ccacagg 147

<210> 285  
 <211> 316  
 <212> DNA  
 <213> Homo sapien

<400> 285  
 cgcccgaggt ctggcttcac tectactccc tctctgctcg cagcacgtcg gccgccagct 60  
 ctttgatgtg ttccaggcc cgctgcacat gggcagattc caccgtgcga gaacagatgg 120  
 caaagcgcag gacaaacttg tccctgaggt gacatggaac caagtggatt tttttggcac 180  
 tgtttattct ttgcagaaga gttcattca ctttggtgga accctttagc cgaaagcaga 240  
 caagccccag aatgacttcc acacagattt caaagcgggg atcctggcgc accagtgact 300  
 caaactcatg ggacag 316

<210> 286  
 <211> 322  
 <212> DNA  
 <213> Homo sapien

<400> 286  
 cctggggagc cctttagtg ggtgggacct caggcagacc cccaaaccaa agggagccag 60  
 atgcccaggt tcaagtcatt agtgatatgt ggcagggctg acagagaaat aatcctggag 120  
 gtctocaaa ctgctgggaa tggaatggcg atgaaaagcg caggagtggg caggggtgtg 180  
 tgggtgatgg tggcctcact cagagtggac caaggcccca gtccttgcc caaaaccaa 240  
 gcccttgggc ccgaagtttt tagcataaca tcttttgcag taaatctcgc catccttgtc 300

TC050" 92964950

tgccaggggtg gttgactcaa gg

322

<210> 287

<211> 364

<212> DNA

<213> Homo sapien

<400> 287

ctgcccacgc tcaaaccaat tctggctgat atcgagtacc tgcaggacca gcacctcctg	60
ctcacagtca agtccatgga tggctatgaa tcctatgggg agtgtgtggt tgcactcaaa	120
tccatgatcg gcagcacggc ocaacagttc ctgaccttcc tatcccaccg tggcgaggag	180
acaggcaata tcagaggctc catgaagggtg cgggtgcccc cggagcgctt gggcacccgt	240
gagcggctct acgagtggat cagcattgat aaggatgagg caggagcaaa gagcaaagcc	300
ccctctgtgt cccgagggag ccaggagccc aggtcaggga gccgcaagcc agccttcaca	360
gagg	364

<210> 288

<211> 261

<212> DNA

<213> Homo sapien

<400> 288

aaaattataa ctactcattc tttcttttagc cttagttaat ttgagcagaa gccacaacaa	60
gcaaaccaca ataaatttag aattggcaga aatccacatt aactcctctt cccaagtttc	120
cacactacta ccattttacag ttgtaggttt gtaatgtata attatgtaat gcagaaacta	180
gctttgactt gtgtaacgat gcactgtcaa agtaagcaaa gtaagaattg aaattccaca	240
ttcccagaat ttaacactca g	261

<210> 289

<211> 261

<212> DNA

<213> Homo sapien

<400> 289

ctgagtgtta aattctggga atgtggaatt tcaattotta ctttgcttac tttgacagtg	60
catcggttaca caagtcaaag ctagtttctg cattacataa ttatacatta caaacctaca	120
actgtaaatg gtagtagtgt ggaaacttgg gaagaggagt taatgtggat ttctgccaat	180
tctaaattta ttgtggtttg cttgtttgtg cttctgctca aattaactaa ggctaaagaa	240
agaatgagta gttataattt t	261

<210> 290

<211> 92

<212> DNA

<213> Homo sapien

<400> 290

ccactaccog aacttacagg tgccaaaaga agaaagggtg taaacggaga ccacctatca	60
ctcatcagaa cctagatca tcacattcct tt	92

<210> 291

<211> 287

<212> DNA

<213> Homo sapien

094954860

&lt;400&gt; 291

ccatggctcc	gctcagggcc	ccggtcacct	ccgagtcact	ctgttccttg	actgtctttg	60
tgtttctgta	cctcaaggca	ctgaagctgg	aggactctgt	ccatgcctgt	gtcaccctcg	120
tgtgggagcc	tctgggctcg	gcaggccac	atttcatgag	ctgaggcgtg	ggccagggcc	180
atctggaaag	ggaactcggc	ttttccagaa	cgtggtggat	catctgtcgg	gtgtgtggtg	240
aacacgttca	gttcatcagg	gcctacgctc	cgggaagggg	ccccag		287

&lt;210&gt; 292

&lt;211&gt; 270

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 292

ccattgtttc	ctcgtggcg	aaggctcctt	gaacatccct	caccttcctc	tcccgcctct	60
gccttctgct	gggtcaaagg	tggccttttc	tctccagcct	tgaattgttc	cctgttggtt	120
tcccaagggc	ccatctgctg	gtacagtcca	cacttccaca	gccaagacct	gagagggctt	180
tcaactgccc	aagcctctct	cctgtgacct	tgggattctg	tcttggcaga	atcctttgtc	240
agcggtctct	actctgtcct	tcctgtttgg				270

&lt;210&gt; 293

&lt;211&gt; 333

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 293

ccatgctcgt	caacctgggt	tccactgctt	gctacgtctc	cttcctcttc	ctgggctgcg	60
acactggccc	tgtggctggg	gttaactgttc	cctatggaaa	cagcacagca	cctggctcag	120
ccctggagcc	ctactcgccc	tgaataata	actgtgaatg	ccaaaccgat	tccttctactc	180
cagtgtgtgg	ggcagatggc	atcacctacc	tgtctgcctg	ctttgctggc	tgcaacagca	240
cgaatctcac	gggtgtgtgc	tgcctcacca	ccgtccctgc	tgagaacgca	accgtggttc	300
ctggaaaatg	ccccagtcct	gggtgccaag	agg			333

&lt;210&gt; 294

&lt;211&gt; 123

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 294

ctgatacaaa	tacagaaaac	tctgccatt	atccaagaaa	caaataatta	agactaaaat	60
gcaagctgat	gtgttgacgc	attgtagggc	cactaaatag	ccatctgtga	ttcgtggcaa	120
ttt						123

&lt;210&gt; 295

&lt;211&gt; 311

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 295

ctgcatacag	acatttggtt	aggctcatctg	gattatcttg	attgtcacca	tggcaactat	60
ccacaaccag	tgcctagggt	tgtgagaaga	gtgatacaat	aatactgtgg	catggctcatt	120
tagctaatac	agtctaagcc	taacagaaac	cttttccatc	aaagtgtttc	agagaataac	180
aacatctcat	aagaggccag	aggatggctt	gtgcttaata	tcacacctgt	acagtagggc	240
agtgttccc	aggctgtctg	cttacatttt	agcttgtctt	acggttacat	atggttttag	300
tattttcatt	t					311

<210> 296  
 <211> 241  
 <212> DNA  
 <213> Homo sapien

<400> 296  
 ctgcggaaga tctgcaacca cccctacatg ttccagcaca tcgaggagtc cttttccgag 60  
 cacttggggg tcaactggcg cattgtccaa gggctggacc tgtaccgagc ctcggtgaaa 120  
 tttgagcttc ttgatagaat tcttcccaaa ctccgagcaa ccaaccacaa agtgctgctg 180  
 ttctgcacaa tgacctccct catgaccatc atggaagatt actttgcgta tcgcggtctt 240  
 a 241

<210> 297  
 <211> 295  
 <212> DNA  
 <213> Homo sapien

<400> 297  
 aaacacaaga tgaaaatact ctgttctgtc caaagcatca cctaattggtg tgaggcatct 60  
 cacttagctg tggagaagtc cttggaatta gatctcagaa agacagcttt aagacagtaa 120  
 aaccttttgg caatgggcta attgccttaa aagaagagtt ctacctgaaa gaccttgag 180  
 gtggagaaat tgtcctacaa agattcttgg atatgttagt ggagataact gacatgggta 240  
 gctgtgggtc aaccaggaac tgtcaacaac ctgatctctg caaaaccagg atgga 295

<210> 298  
 <211> 347  
 <212> DNA  
 <213> Homo sapien

<400> 298  
 ccaaaataaa gcttcaggca agaggcaaag atccagtgga atatgggaga atggtggagg 60  
 accaacacct gctaccccag agagcttttc taaaaaagc aagaaagcag tcatgagtgg 120  
 tattcacctt gcagaagaca cggaaggtag tgagtttgag ccagagggac ttccagaagt 180  
 tgtaaagaaa gggtttgctg acatcccgac aggaaagact agcccatata tcttgcgaag 240  
 aacaaccatg gcaactcgga ccagcccccg cctggctgca cagaagttag cgctatcccc 300  
 actgagtctc ggcaagaaa atcttgcaaga gtctcccaaa ccaacag 347

<210> 299  
 <211> 268  
 <212> DNA  
 <213> Homo sapien

<400> 299  
 aaaaagtaaa catgaaaaca tcacgaattg taccatgatt caagaataac ttttgaata 60  
 gaaaacacat gaccttttgc agtatagtgt gataccgaag taaaagtga agaaataaat 120  
 gcaggaaagt ttaagtggat gtaagttttt ataaggaaag taataagagg aggctgcttt 180  
 tgaaggctct ttgatcttcc atgatgataa tatcggtgca aagttcttta acttgtattc 240  
 aagtaattag cagttgacca cttggttt 268

<210> 300  
 <211> 185  
 <212> DNA  
 <213> Homo sapien

05849636.0504

<400> 300  
aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcatt ttagatccaa 60  
ctgaccatct ttatttctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120  
agcctcagaa atggcctttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180  
agcag 185

<210> 301  
<211> 75  
<212> DNA  
<213> Homo sapien

<400> 301  
aaaattggaa agtgggataa gaaatctaaa gtaaccagct tatctttgaa acaatattat 60  
tttgaaattg gcttt 75

<210> 302  
<211> 247  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(247)  
<223> n = A,T,C or G

<400> 302  
ccatgttctc tgaattgggt gcagaagaca agggcagagt ggctgcggcc cctattacct 60  
ttgtagcagc cacatcagaa agcagaagaa aacagtattt ctgaaggcat tgtttgaggt 120  
tgatctcagc actgaacgat ttcaagccct acgcaccana acagaaggag ggtggaggaa 180  
gtgatcanag ggaacgagct gtaggtttgc anaaatgtgt gaaacccaaa tgatcactgc 240  
ctacttg 247

<210> 303  
<211> 535  
<212> DNA  
<213> Homo sapien

<400> 303  
ctgcttcaga ggaaatcact gaaaaataaa gaaaaaccat ccatgcatgg ctgcatccag 60  
tgtacctgta atcctgaaga aaaggtocta attccttcca tgctgaaatg ctagctttgg 120  
tttcagagag agactttatt gcaactgtga ccaccgtcac tggtagcac tgcgtttcgg 180  
ccccagcgg acttaaaaga ctggaatgtg gtagtggcgg tcgttctcgg tcagcaggga 240  
gatctccggc cagtcctga gaggtcctc tgggtagcag acttcaaagt ctctggagtt 300  
aaacttgaac agtctgaaca cttttatctt tacittcaagg gagtatccaa gtataaacat 360  
atcaatctgc tctagtccac atgtgtcgcc tacagaattc aggtgattca tcatgaagct 420  
caaaggatca gaggatgtct ccctggaaaa caggagtcta aaaagactgg gaatgacctt 480  
tttagtcttc atttgttcat aaacttcagt gacttgatac agcatgatga acttt 535

<210> 304  
<211> 522  
<212> DNA  
<213> Homo sapien

F08050 "3234850"

<400> 304  
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 taaatagcaa aatagaaaga aaagggggaa aaggtagaag gcaaggggaa aactattggg 120  
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 <211> 294  
 <212> DNA  
 <213> Homo sapien

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 acccacacga cagagacgtc actcaagcag cacagccaca aatagtttac agcagctcat 180  
 gcccggtcgc cgcctatgct gggagactcc ctgaaagggtg ggcacctgcc gtctatgagg 240  
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<210> 307  
 <211> 181  
 <212> DNA  
 <213> Homo sapien

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 t 181

<210> 308  
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<220>  
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 <222> (1)...(179)  
 <223> n = A,T,C or G

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aaaatactgg atctgctgaa cgaaggctca gcccgagatc tccgcagtct tcagcgatt 120  
ggcccgaaga agggccanct aatcgtgggc tggcgggagc tccacggccc cttcagcca 179

<210> 309  
<211> 129  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
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<223> n = A,T,C or G

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cattgtcag 129

<210> 310  
<211> 390  
<212> DNA  
<213> Homo sapien

<400> 310  
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gaacogtggg atgtctgcat gttgcccctt tctcttttcc cctttcctgt cccaccatac 180  
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<211> 355  
<212> DNA  
<213> Homo sapien

<220>  
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<222> (1)...(355)  
<223> n = A,T,C or G

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gctatangga naaaaaattct togagtcca cccanctcc tctaaacatt tggctcactc 180  
aaaaaaaaa gncaccaatc ttantactgc tgaacttcat ttatgtnacc taacattaac 240  
cntcgttaga aaaccaaata gccctctcgt ncangatatg ttgctaaagg actacctgt 300  
tcaacacaac ggctccggtg tgtgaactcc tgtttgggtg attcccctac tctca 355

<210> 312  
<211> 498

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<212> DNA  
<213> Homo sapien

<400> 312

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gagtagaact	ggaaggagta	ctgcgatgga	atctttcacc	ttctgtcctt	ctgcacagc	360
tccaagtgcc	aggtcctgtt	cagttttgca	gagcttttct	atattaagct	tgaacttatt	420
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<211> 653  
<212> DNA  
<213> Homo sapien

<400> 313

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<210> 314  
<211> 513  
<212> DNA  
<213> Homo sapien

<400> 314

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gtctaggact	ttatggctat	taattttact	atcaaaatat	ccaagggact	ccattcaatg	420
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<210> 315  
<211> 222  
<212> DNA  
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<220>



<221> misc\_feature  
 <222> (1)...(222)  
 <223> n = A,T,C or G

<400> 315

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<210> 316  
 <211> 1633  
 <212> DNA  
 <213> Homo sapiens

<400> 316

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<210> 317  
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 <212> DNA  
 <213> Homo sapiens

<400> 317

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<213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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<213> Homo sapiens
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Glu	Val	Pro	Val	Asn	Phe	Ala	Glu	Phe	Ser	Lys	Lys	Cys	Ser	Glu	Arg	
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Trp	Lys	Thr	Val	Ser	Gly	Lys	Glu	Lys	Ser	Lys	Phe	Asp	Glu	Met	Ala	
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Lys	Ala	Asp	Lys	Val	Arg	Tyr	Asp	Arg	Glu	Met	Lys	Asp	Tyr	Gly	Pro	
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Ala	Lys	Gly	Gly	Lys	Lys	Lys	Lys	Asp	Pro	Asn	Ala	Pro	Lys	Arg	Pro	
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Pro	Ser	Gly	Phe	Phe	Leu	Phe	Cys	Ser	Glu	Phe	Arg	Pro	Lys	Ile	Lys	
			100					105					110			
Ser	Thr	Asn	Pro	Gly	Ile	Ser	Ile	Gly	Asp	Val	Ala	Lys	Lys	Leu	Gly	
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Lys	Ser	Lys	Gly	Lys	Phe	Asp	Gly	Ala	Lys	Gly	Pro	Ala	Lys	Val	Ala	
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Ser Ala Thr Val Gly Leu Lys Ser Lys Thr His Ala Val Leu Val Ala
      35              40              45

Leu Lys Arg Ala Gln Ser Glu Leu Ala Ala His Gln Lys Lys Ile Leu
      50              55              60

His Val Asp Asn His Ile Gly Ile Ser Ile Ala Gly Leu Thr Ala Asp
      65              70              75              80

Ala Arg Leu Leu Cys Asn Phe Met Arg Gln Glu Cys Leu Asp Ser Arg
      85              90              95

Phe Val Phe Asp Arg Pro Leu Pro Val Ser Arg Leu Val Ser Leu Ile
      100             105             110

Gly Ser Lys Thr Gln Ile Pro Thr Gln Arg Tyr Gly Arg Arg Pro Tyr
      115             120             125

Gly Val Gly Leu Leu Ile Ala Gly Tyr Asp Asp Met Gly Pro His Ile
      130             135             140

Phe Gln Thr Cys Pro Ser Ala Asn Tyr Phe Asp Cys Arg Ala Met Ser
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Ile Gly Ala Arg Ser Gln Ser Ala Arg Thr Tyr Leu Glu Arg His Met
      165             170             175

Ser Glu Phe Met Glu Cys Asn Leu Asn Glu Leu Val Lys His Gly Leu
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Arg Ala Leu Arg Glu Thr Leu Pro Ala Glu Gln Asp Leu Thr Thr Lys
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Asn Val Ser Ile Gly Ile Val Gly Lys Asp Leu Glu Phe Thr Ile Tyr
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Asp Asp Asp Asp Val Ser Pro Phe Leu Glu Gly Leu Glu Glu Arg Pro
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 35 40 45

Arg Thr Ser Leu Gly Pro Lys Gly Met Asp Lys Met Ile Gln Asp Gly  
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Lys Gly Asp Val Thr Ile Thr Asn Asp Gly Ala Thr Ile Leu Lys Gln  
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Met Gln Val Leu His Pro Ala Ala Arg Met Leu Val Glu Leu Ser Lys  
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Ala Gln Asp Ile Glu Ala Gly Asp Gly Thr Thr Ser Val Val Ile Ile  
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Ala Gly Ser Leu Leu Asp Ser Cys Thr Lys Leu Leu Gln Lys Gly Ile  
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His Pro Thr Ile Ile Ser Glu Ser Phe Gln Lys Ala Leu Glu Lys Gly  
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Ile Glu Ile Leu Thr Asp Met Ser Arg Pro Val Glu Leu Ser Asp Arg  
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Glu Thr Leu Leu Asn Ser Ala Thr Thr Ser Leu Asn Ser Lys Val Val  
 165 170 175

Ser Gln Tyr Ser Ser Leu Leu Ser Pro Met Ser Val Asn Ala Val Met  
 180 185 190

Lys Val Ile Asp Pro Ala Thr Ala Thr Ser Val Asp Leu Arg Asp Ile  
 195 200 205

Lys Ile Val Lys Lys Leu Gly Gly Thr Ile Asp Asp Cys Glu Leu Val

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210 215 220  
 Glu Gly Leu Val Leu Thr Gln Lys Val Ser Asn Ser Gly Ile Thr Arg  
 225 230 235 240  
 Val Glu Lys Ala Lys Ile Gly Leu Ile Gln Phe Cys Leu Ser Ala Pro  
 245 250 255  
 Lys Thr Asp Met Asp Asn Gln Ile Val Val Ser Asp Tyr Ala Gln Met  
 260 265 270  
 Asp Arg Val Leu Arg Glu Glu Arg Ala Tyr Ile Leu Asn Leu Val Lys  
 275 280 285  
 Gln Ile Lys Lys Thr Gly Cys Asn Val Leu Leu Ile Gln Lys Ser Ile  
 290 295 300  
 Leu Arg Asp Ala Leu Ser Asp Leu Ala Leu His Phe Leu Asn Lys Met  
 305 310 315 320  
 Lys Ile Met Val Ile Lys Asp Ile Glu Arg Glu Asp Ile Glu Phe Ile  
 325 330 335  
 Cys Lys Thr Ile Gly Thr Lys Pro Val Ala His Ile Asp Gln Phe Thr  
 340 345 350  
 Ala Asp Met Leu Gly Ser Ala Glu Leu Ala Glu Glu Val Asn Leu Asn  
 355 360 365  
 Gly Ser Gly Lys Leu Leu Lys Ile Thr Gly Cys Ala Ser Pro Gly Lys  
 370 375 380  
 Thr Val Thr Ile Val Val Arg Gly Ser Asn Lys Leu Val Ile Glu Glu  
 385 390 395 400  
 Ala Glu Arg Ser Ile His Asp Ala Leu Cys Val Ile Arg Cys Leu Val  
 405 410 415  
 Lys Lys Arg Ala Leu Ile Ala Gly Gly Gly Ala Pro Glu Ile Glu Leu  
 420 425 430  
 Ala Leu Arg Leu Thr Glu Tyr Ser Arg Thr Leu Ser Gly Met Glu Ser  
 435 440 445  
 Tyr Cys Val Arg Ala Phe Ala Asp Ala Met Glu Val Ile Pro Ser Thr  
 450 455 460  
 Leu Ala Glu Asn Ala Gly Leu Asn Pro Ile Ser Thr Val Thr Glu Leu  
 465 470 475 480  
 Arg Asn Arg His Ala Gln Gly Glu Lys Thr Ala Gly Ile Asn Val Arg  
 485 490 495  
 Lys Gly Gly Ile Ser Asn Ile Leu Glu Glu Leu Val Val Gln Pro Leu

225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325 330 335 340 345 350 355 360 365 370 375 380 385 390 395 400 405 410 415 420 425 430 435 440 445 450 455 460 465 470 475 480 485 490 495

500 505 510

Leu Val Ser Val Ser Ala Leu Thr Leu Ala Thr Glu Thr Val Arg Ser

515 520 525

Ile Leu Lys Ile Asp Asp Val Val Asn Thr Arg  
530 535

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<210> 327
<211> 144
<212> PRT
<213> Homo sapiens
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<400> 327  
Met Ala Phe Thr Phe Ala Ala Phe Cys Tyr Met Leu Ala Leu Leu Leu  
5 10 15

Thr Ala Ala Leu Ile Phe Phe Ala Ile Trp His Ile Ile Ala Phe Asp  
20 25 30

Glu Leu Lys Thr Asp Tyr Lys Asn Pro Ile Asp Gln Cys Asn Thr Leu  
35 40 45

Asn Pro Leu Val Leu Pro Glu Tyr Leu Ile His Ala Phe Phe Cys Val  
50 55 60

Met Phe Leu Cys Ala Ala Glu Trp Leu Thr Leu Gly Leu Asn Met Pro  
65 70 75 80

Leu Leu Ala Tyr His Ile Trp Arg Tyr Met Ser Arg Pro Val Met Ser  
85 90 95

Gly Pro Gly Leu Tyr Asp Pro Thr Thr Ile Met Asn Ala Asp Ile Leu  
100 105 110

Ala Tyr Cys Gln Lys Glu Gly Trp Cys Lys Leu Ala Phe Tyr Leu Leu  
115 120 125

Ala Phe Phe Tyr Tyr Leu Tyr Gly Met Ile Tyr Val Leu Val Ser Ser  
130 135 140

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<210> 328
<211> 138
<212> PRT
<213> Homo sapiens
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<400> 328
Met Pro Asn Phe Ser Gly Asn Trp Lys Ile Ile Arg Ser Glu Asn Phe
          5              10              15
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Glu Glu Leu Leu Lys Val Leu Gly Val Asn Val Met Leu Arg Lys Ile  
20 25 30

Pro Val Tyr Asp Arg Gly Val Cys Ile Ser Pro Glu Ala Ile Val Thr

Arg Arg Lys Glu Lys Ser Arg Asp Ala Ala Arg Ser Arg Arg Ser Lys  
20 25 30

Glu	Ser	Glu	Val	Phe	Tyr	Glu	Leu	Ala	His	Gln	Leu	Pro	Leu	Pro	His
		35				40						45			
Asn	Val	Ser	Ser	His	Leu	Asp	Lys	Ala	Ser	Val	Met	Arg	Leu	Thr	Ile
		50				55				60					
Ser	Tyr	Leu	Arg	Val	Arg	Lys	Leu	Leu	Asp	Ala	Gly	Asp	Leu	Asp	Ile
65				70						75				80	
Glu	Asp	Asp	Met	Lys	Ala	Gln	Met	Asn	Cys	Phe	Tyr	Leu	Lys	Ala	Leu
				85				90						95	
Asp	Gly	Phe	Val	Met	Val	Leu	Thr	Asp	Asp	Gly	Asp	Met	Ile	Tyr	Ile
		100						105				110			
Ser	Asp	Asn	Val	Asn	Lys	Tyr	Met	Gly	Leu	Thr	Gln	Phe	Glu	Leu	Thr
		115				120						125			
Gly	His	Ser	Val	Phe	Asp	Phe	Thr	His	Pro	Cys	Asp	His	Glu	Glu	Met
130						135				140					
Arg	Glu	Met	Leu	Thr	His	Arg	Asn	Gly	Leu	Val	Lys	Lys	Gly	Lys	Glu
145				150						155				160	
Gln	Asn	Thr	Gln	Arg	Ser	Phe	Phe	Leu	Arg	Met	Lys	Cys	Thr	Leu	Thr
				165				170						175	
Ser	Arg	Gly	Arg	Thr	Met	Asn	Ile	Lys	Ser	Ala	Thr	Trp	Lys	Val	Leu
		180						185				190			
His	Cys	Thr	Gly	His	Ile	His	Val	Tyr	Asp	Thr	Asn	Ser	Asn	Gln	Pro
		195				200						205			
Gln	Cys	Gly	Tyr	Lys	Lys	Pro	Pro	Met	Thr	Cys	Leu	Val	Leu	Ile	Cys
210						215				220					
Glu	Pro	Ile	Pro	His	Pro	Ser	Asn	Ile	Glu	Ile	Pro	Leu	Asp	Ser	Lys
225				230						235				240	
Thr	Phe	Leu	Ser	Arg	His	Ser	Leu	Asp	Met	Lys	Phe	Ser	Tyr	Cys	Asp
				245				250						255	
Glu	Arg	Ile	Thr	Glu	Leu	Met	Gly	Tyr	Glu	Pro	Glu	Glu	Leu	Leu	Gly
		260						265				270			
Arg	Ser	Ile	Tyr	Glu	Tyr	Tyr	His	Ala	Leu	Asp	Ser	Asp	His	Leu	Thr
		275				280						285			
Lys	Thr	His	His	Asp	Met	Phe	Thr	Lys	Gly	Gln	Val	Thr	Thr	Gly	Gln
290						295				300					
Tyr	Arg	Met	Leu	Ala	Lys	Arg	Gly	Gly	Tyr	Val	Trp	Val	Glu	Thr	Gln
305				310						315				320	

Ala	Thr	Val	Ile	Tyr	Asn	Thr	Lys	Asn	Ser	Gln	Pro	Gln	Cys	Ile	Val	
				325								335				
Cys	Val	Asn	Tyr	Val	Val	Ser	Gly	Ile	Ile	Gln	His	Asp	Leu	Ile	Phe	
				340				345				350				
Ser	Leu	Gln	Gln	Thr	Glu	Cys	Val	Leu	Lys	Pro	Val	Glu	Ser	Ser	Asp	
				355				360				365				
Met	Lys	Met	Thr	Gln	Leu	Phe	Thr	Lys	Val	Glu	Ser	Glu	Asp	Thr	Ser	
				370				375				380				
Ser	Leu	Phe	Asp	Lys	Leu	Lys	Lys	Glu	Pro	Asp	Ala	Leu	Thr	Leu	Leu	
385					390				395				400			
Ala	Pro	Ala	Ala	Gly	Asp	Thr	Ile	Ile	Ser	Leu	Asp	Phe	Gly	Ser	Asn	
				405				410				415				
Asp	Thr	Glu	Thr	Asp	Asp	Gln	Gln	Leu	Glu	Glu	Val	Pro	Leu	Tyr	Asn	
				420				425				430				
Asp	Val	Met	Leu	Pro	Ser	Pro	Asn	Glu	Lys	Leu	Gln	Asn	Ile	Asn	Leu	
				435				440				445				
Ala	Met	Ser	Pro	Leu	Pro	Thr	Ala	Glu	Thr	Pro	Lys	Pro	Leu	Arg	Ser	
				450				455				460				
Ser	Ala	Asp	Pro	Ala	Leu	Asn	Gln	Glu	Val	Ala	Leu	Lys	Leu	Glu	Pro	
465					470				475				480			
Asn	Pro	Glu	Ser	Leu	Glu	Leu	Ser	Phe	Thr	Met	Pro	Gln	Ile	Gln	Asp	
				485				490				495				
Gln	Thr	Pro	Ser	Pro	Ser	Asp	Gly	Ser	Thr	Arg	Gln	Ser	Ser	Pro	Glu	
				500				505				510				
Pro	Asn	Ser	Pro	Ser	Glu	Tyr	Cys	Phe	Tyr	Val	Asp	Ser	Asp	Met	Val	
				515				520				525				
Asn	Glu	Phe	Lys	Leu	Glu	Leu	Val	Glu	Lys	Leu	Phe	Ala	Glu	Asp	Thr	
				530				535				540				
Glu	Ala	Lys	Asn	Pro	Phe	Ser	Thr	Gln	Asp	Thr	Asp	Leu	Asp	Leu	Glu	
545					550				555				560			
Met	Leu	Ala	Pro	Tyr	Ile	Pro	Met	Asp	Asp	Asp	Phe	Gln	Leu	Arg	Ser	
				565				570				575				
Phe	Asp	Gln	Leu	Ser	Pro	Leu	Glu	Ser	Ser	Ser	Ala	Ser	Pro	Glu	Ser	
				580				585				590				
Ala	Ser	Pro	Gln	Ser	Thr	Val	Thr	Val	Phe	Gln	Gln	Thr	Gln	Ile	Gln	
				595				600				605				



Glu Pro Thr Ala Asn Ala Thr Thr Thr Thr Ala Thr Thr Asp Glu Leu  
610 615 620

Lys Thr Val Thr Lys Asp Arg Met Glu Asp Ile Lys Ile Leu Ile Ala  
625 630 635 640

Ser Pro Ser Pro Thr His Ile His Lys Glu Thr Thr Ser Ala Thr Ser  
645 650 655

Ser Pro Tyr Arg Asp Thr Gln Ser Arg Thr Ala Ser Pro Asn Arg Ala  
660 665 670

Gly Lys Gly Val Ile Glu Gln Thr Glu Lys Ser His Pro Arg Ser Pro  
675 680 685

Asn Val Leu Ser Val Ala Leu Ser Gln Arg Thr Thr Val Pro Glu Glu  
690 695 700

Glu Leu Asn Pro Lys Ile Leu Ala Leu Gln Asn Ala Gln Arg Lys Arg  
705 710 715 720

Lys Met Glu His Asp Gly Ser Leu Phe Gln Ala Val Gly Ile Gly Thr  
725 730 735

Leu Leu Gln Gln Pro Asp Asp His Ala Ala Thr Thr Ser Leu Ser Trp  
740 745 750

Lys Arg Val Lys Gly Cys Lys Ser Ser Glu Gln Asn Gly Met Glu Gln  
755 760 765

Lys Thr Ile Ile Leu Ile Pro Ser Asp Leu Ala Cys Arg Leu Leu Gly  
770 775 780

Gln Ser Met Asp Glu Ser Gly Leu Pro Gln Leu Thr Ser Tyr Asp Cys  
785 790 795 800

Glu Val Asn Ala Pro Ile Gln Gly Ser Arg Asn Leu Leu Gln Gly Glu  
805 810 815

Glu Leu Leu Arg Ala Leu Asp Gln Val Asn  
820 825

<210> 331

<211> 92

<212> PRT

<213> Homo sapiens

<400> 331

Met Ala Tyr Arg Gly Gln Gly Gln Lys Val Gln Lys Val Met Val Gln  
5 10 15

Pro Ile Asn Leu Ile Phe Arg Tyr Leu Gln Asn Arg Ser Arg Ile Gln  
20 25 30

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Val Trp Leu Tyr Glu Gln Val Asn Met Arg Ile Glu Gly Cys Ile Ile  
35 40 45

Gly Phe Asp Glu Tyr Met Asn Leu Val Leu Asp Asp Ala Glu Glu Ile  
50 55 60

His Ser Lys Thr Lys Ser Arg Lys Gln Leu Gly Arg Ile Met Leu Lys  
65 70 75 80

Gly Asp Asn Ile Thr Leu Leu Gln Ser Val Ser Asn  
85 90

<210> 332

<211> 235

<212> PRT

<213> Homo sapiens

<400> 332

Met Asp Pro Ala Arg Pro Leu Gly Leu Ser Ile Leu Leu Leu Phe Leu  
5 10 15

Thr Glu Ala Ala Leu Gly Asp Ala Ala Gln Glu Pro Thr Gly Asn Asn  
20 25 30

Ala Glu Ile Cys Leu Leu Pro Leu Asp Tyr Gly Pro Cys Arg Ala Leu  
35 40 45

Leu Leu Arg Tyr Tyr Tyr Asp Arg Tyr Thr Gln Ser Cys Arg Gln Phe  
50 55 60

Leu Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Tyr Thr Trp Glu  
65 70 75 80

Ala Cys Asp Asp Ala Cys Trp Arg Ile Glu Lys Val Pro Lys Val Cys  
85 90 95

Arg Leu Gln Val Ser Val Asp Asp Gln Cys Glu Gly Ser Thr Glu Lys  
100 105 110

Tyr Phe Phe Asn Leu Ser Ser Met Thr Cys Glu Lys Phe Phe Ser Gly  
115 120 125

Gly Cys His Arg Asn Arg Ile Glu Asn Arg Phe Pro Asp Glu Ala Thr  
130 135 140

Cys Met Gly Phe Cys Ala Pro Lys Lys Ile Pro Ser Phe Cys Tyr Ser  
145 150 155 160

Pro Lys Asp Glu Gly Leu Cys Ser Ala Asn Val Thr Arg Tyr Tyr Phe  
165 170 175

Asn Pro Arg Tyr Arg Thr Cys Asp Ala Phe Thr Tyr Thr Gly Cys Gly  
180 185 190

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Gln Ser Thr Asp Thr Gln Asn Phe Ser Ser Glu Ser Lys Arg Glu Thr

195							200				205						
Glu	Tyr	Gly	Pro	Cys	Arg	Arg	Glu	Met	Glu	Asp	Thr	Leu	Asn	His	Leu		
210						215				220							
Lys	Phe	Leu	Asn	Val	Leu	Ser	Pro	Arg	Gly	Val	His	Ile	Pro	Asn	Cys		
225				230						235				240			
Asp	Lys	Lys	Gly	Phe	Tyr	Lys	Lys	Lys	Gln	Cys	Arg	Pro	Ser	Lys	Gly		
				245						250				255			
Arg	Lys	Arg	Gly	Phe	Cys	Trp	Cys	Val	Asp	Lys	Tyr	Gly	Gln	Pro	Leu		
		260						265				270					
Pro	Gly	Tyr	Thr	Thr	Lys	Gly	Lys	Glu	Asp	Val	His	Cys	Tyr	Ser	Met		
		275				280						285					
Gln	Ser	Lys															
290																	
<210> 334																	
<211> 582																	
<212> PRT																	
<213> Homo sapiens																	
<400> 334																	
Glu	Ser	Lys	Gly	Ala	Ser	Ser	Cys	Arg	Leu	Leu	Phe	Cys	Leu	Leu	Ile		
				5				10						15			
Ser	Ala	Thr	Val	Phe	Arg	Pro	Gly	Leu	Gly	Trp	Tyr	Thr	Val	Asn	Ser		
			20				25						30				
Ala	Tyr	Gly	Asp	Thr	Ile	Ile	Ile	Pro	Cys	Arg	Leu	Asp	Val	Pro	Gln		
		35				40						45					
Asn	Leu	Met	Phe	Gly	Lys	Trp	Lys	Tyr	Glu	Lys	Pro	Asp	Gly	Ser	Pro		
50						55				60							
Val	Phe	Ile	Ala	Phe	Arg	Ser	Ser	Thr	Lys	Lys	Ser	Val	Gln	Tyr	Asp		
65				70						75				80			
Asp	Val	Pro	Glu	Tyr	Lys	Asp	Arg	Leu	Asn	Leu	Ser	Glu	Asn	Tyr	Thr		
				85				90						95			
Leu	Ser	Ile	Ser	Asn	Ala	Arg	Ile	Ser	Asp	Glu	Lys	Arg	Phe	Val	Cys		
			100				105						110				
Met	Leu	Val	Thr	Glu	Asp	Asn	Val	Phe	Glu	Ala	Pro	Thr	Ile	Val	Lys		
115						120						125					
Val	Phe	Lys	Gln	Pro	Ser	Lys	Pro	Glu	Ile	Val	Ser	Lys	Ala	Leu	Phe		
130						135				140							

Leu 145	Glu	Thr	Glu	Gln	Leu 150	Lys	Lys	Leu	Gly	Asp 155	Cys	Ile	Ser	Glu	Asp 160
Ser	Tyr	Pro	Asp	Gly 165	Asn	Ile	Thr	Trp	Tyr 170	Arg	Asn	Gly	Lys	Val	Leu 175
His	Pro	Leu	Glu	Gly 180	Ala	Val	Val	Ile	Ile 185	Phe	Lys	Lys	Glu	Met	Asp 190
Pro	Val	Thr	Gln	Leu	Tyr	Thr	Met	Thr	Ser	Thr	Leu	Glu	Tyr	Lys	Thr 200
Thr	Lys	Ala	Asp	Ile	Gln	Met	Pro	Phe	Thr	Cys	Ser	Val	Thr	Tyr	Tyr 210
Gly	Pro	Ser	Gly	Gln	Lys	Thr	Ile	His	Ser	Glu	Gln	Ala	Val	Phe	Asp 225
Ile	Tyr	Tyr	Pro	Thr	Glu	Gln	Val	Thr	Ile	Gln	Val	Leu	Pro	Pro	Lys 240
Asn	Ala	Ile	Lys	Glu	Gly	Asp	Asn	Ile	Thr	Leu	Lys	Cys	Leu	Gly	Asn 260
Gly	Asn	Pro	Pro	Pro	Glu	Glu	Phe	Leu	Phe	Tyr	Leu	Pro	Gly	Gln	Pro 280
Glu	Gly	Ile	Arg	Ser	Ser	Asn	Thr	Tyr	Thr	Leu	Thr	Asp	Val	Arg	Arg 300
Asn	Ala	Thr	Gly	Asp	Tyr	Lys	Cys	Ser	Leu	Ile	Asp	Lys	Lys	Ser	Met 315
Ile	Ala	Ser	Thr	Ala	Ile	Thr	Val	His	Tyr	Leu	Asp	Leu	Ser	Leu	Asn 330
Pro	Ser	Gly	Glu	Val	Thr	Arg	Gln	Ile	Gly	Asp	Ala	Leu	Pro	Val	Ser 345
Cys	Thr	Ile	Ser	Ala	Ser	Arg	Asn	Ala	Thr	Val	Val	Trp	Met	Lys	Asp 360
Asn	Ile	Arg	Leu	Arg	Ser	Ser	Pro	Ser	Phe	Ser	Ser	Leu	His	Tyr	Gln 375
Asp	Ala	Gly	Asn	Tyr	Val	Cys	Glu	Thr	Ala	Leu	Gln	Glu	Val	Glu	Gly 390
Leu	Lys	Lys	Arg	Glu	Ser	Leu	Thr	Leu	Ile	Val	Glu	Gly	Lys	Pro	Gln 405
Ile	Lys	Met	Thr	Lys	Lys	Thr	Asp	Pro	Ser	Gly	Leu	Ser	Lys	Thr	Ile 420

Ile Cys His Val Glu Gly Phe Pro Lys Pro Ala Ile Gln Trp Thr Ile  
           435                          440                          445  
 Thr Gly Ser Gly Ser Val Ile Asn Gln Thr Glu Glu Ser Pro Tyr Ile  
       450                          455                          460  
 Asn Gly Arg Tyr Tyr Ser Lys Ile Ile Ile Ser Pro Glu Glu Asn Val  
   465                          470                          475                          480  
 Thr Leu Thr Cys Thr Ala Glu Asn Gln Leu Glu Arg Thr Val Asn Ser  
                           485                          490                          495  
 Leu Asn Val Ser Ala Ile Ser Ile Pro Glu His Asp Glu Ala Asp Glu  
                           500                          505                          510  
 Ile Ser Asp Glu Asn Arg Glu Lys Val Asn Asp Gln Ala Lys Leu Ile  
                           515                          520                          525  
 Val Gly Ile Val Val Gly Leu Leu Leu Ala Ala Leu Val Ala Gly Val  
       530                          535                          540  
 Val Tyr Trp Leu Tyr Met Lys Lys Ser Lys Thr Ala Ser Lys His Val  
   545                          550                          555                          560  
 Asn Lys Asp Leu Gly Asn Met Glu Glu Asn Lys Lys Leu Glu Glu Asn  
                           565                          570                          575  
 Asn His Lys Thr Glu Ala  
                           580

<210> 335  
 <211> 709  
 <212> PRT  
 <213> Homo sapiens

<400> 335  
 Met Ala Glu Val Glu Asp Gln Ala Ala Arg Asp Met Lys Arg Leu Glu  
                           5                          10                          15  
 Glu Lys Asp Lys Glu Arg Lys Asn Val Lys Gly Ile Arg Asp Asp Ile  
                           20                          25                          30  
 Glu Glu Glu Asp Asp Gln Glu Ala Tyr Phe Arg Tyr Met Ala Glu Asn  
       35                          40                          45  
 Pro Thr Ala Gly Val Val Gln Glu Glu Glu Glu Asp Asn Leu Glu Tyr  
       50                          55                          60  
 Asp Ser Asp Gly Asn Pro Ile Ala Pro Thr Lys Lys Ile Ile Asp Pro  
   65                          70                          75                          80  
 Leu Pro Pro Ile Asp His Ser Glu Ile Asp Tyr Pro Pro Phe Glu Lys  
                           85                          90                          95

Asn	Phe	Tyr	Asn	Glu	His	Glu	Glu	Ile	Thr	Asn	Leu	Thr	Pro	Gln	Gln	
			100				105						110			
Leu	Ile	Asp	Leu	Arg	His	Lys	Leu	Asn	Leu	Arg	Val	Ser	Gly	Ala	Ala	
			115				120				125					
Pro	Pro	Arg	Pro	Gly	Ser	Ser	Phe	Ala	His	Phe	Gly	Phe	Asp	Glu	Gln	
			130				135				140					
Leu	Met	His	Gln	Ile	Arg	Lys	Ser	Glu	Tyr	Thr	Gln	Pro	Thr	Pro	Ile	
145				150						155			160			
Gln	Cys	Gln	Gly	Val	Pro	Val	Ala	Leu	Ser	Gly	Arg	Asp	Met	Ile	Gly	
			165							170				175		
Ile	Ala	Lys	Thr	Gly	Ser	Gly	Lys	Thr	Ala	Ala	Phe	Ile	Trp	Pro	Met	
			180				185							190		
Leu	Ile	His	Ile	Met	Asp	Gln	Lys	Glu	Leu	Glu	Pro	Gly	Asp	Gly	Pro	
			195				200				205					
Ile	Ala	Val	Ile	Val	Cys	Pro	Thr	Arg	Glu	Leu	Cys	Gln	Gln	Ile	His	
			210				215				220					
Ala	Glu	Cys	Lys	Arg	Phe	Gly	Lys	Ala	Tyr	Asn	Leu	Arg	Ser	Val	Ala	
225				230						235			240			
Val	Tyr	Gly	Gly	Gly	Ser	Met	Trp	Glu	Gln	Ala	Lys	Ala	Leu	Gln	Glu	
			245							250				255		
Gly	Ala	Glu	Ile	Val	Val	Cys	Thr	Pro	Gly	Arg	Leu	Ile	Asp	His	Val	
			260				265						270			
Lys	Lys	Lys	Ala	Thr	Asn	Leu	Gln	Arg	Val	Ser	Tyr	Leu	Val	Phe	Asp	
			275				280				285					
Glu	Ala	Asp	Arg	Met	Phe	Asp	Met	Gly	Phe	Glu	Tyr	Gln	Val	Arg	Ser	
			290				295				300					
Ile	Ala	Ser	His	Val	Arg	Pro	Asp	Arg	Gln	Thr	Leu	Leu	Phe	Ser	Ala	
305				310						315			320			
Thr	Phe	Arg	Lys	Lys	Ile	Glu	Lys	Leu	Ala	Arg	Asp	Ile	Leu	Ile	Asp	
			325				330						335			
Pro	Ile	Arg	Val	Val	Gln	Gly	Asp	Ile	Gly	Glu	Ala	Asn	Glu	Asp	Val	
			340				345						350			
Thr	Gln	Ile	Val	Glu	Ile	Leu	His	Ser	Gly	Pro	Ser	Lys	Trp	Asn	Trp	
			355				360						365			
Leu	Thr	Arg	Arg	Leu	Val	Glu	Phe	Thr	Ser	Ser	Gly	Ser	Val	Leu	Leu	
			370				375				380					

Phe Val Thr Lys Lys Ala Asn Ala Glu Glu Leu Ala Asn Asn Leu Lys  
 385 390 395 400  
 Gln Glu Gly His Asn Leu Gly Leu Leu His Gly Asp Met Asp Gln Ser  
 405 410 415  
 Glu Arg Asn Lys Val Ile Ser Asp Phe Lys Lys Lys Asp Ile Pro Val  
 420 425 430  
 Leu Val Ala Thr Asp Val Ala Ala Arg Gly Leu Asp Ile Pro Ser Ile  
 435 440 445  
 Lys Thr Val Ile Asn Tyr Asp Val Ala Arg Asp Ile Asp Thr His Thr  
 450 455 460  
 His Arg Ile Gly Arg Thr Gly Arg Ala Gly Glu Lys Gly Val Ala Tyr  
 465 470 475 480  
 Thr Leu Leu Thr Pro Lys Asp Ser Asn Phe Ala Gly Asp Leu Val Arg  
 485 490 495  
 Asn Leu Glu Gly Ala Asn Gln His Val Ser Lys Glu Leu Leu Asp Leu  
 500 505 510  
 Ala Met Gln Asn Ala Trp Phe Arg Lys Ser Arg Phe Lys Gly Gly Lys  
 515 520 525  
 Gly Lys Lys Leu Asn Ile Gly Gly Gly Gly Leu Gly Tyr Arg Glu Arg  
 530 535 540  
 Pro Gly Leu Gly Ser Glu Asn Met Asp Arg Gly Asn Asn Asn Val Met  
 545 550 555 560  
 Ser Asn Tyr Glu Ala Tyr Lys Pro Ser Thr Gly Ala Met Gly Asp Arg  
 565 570 575  
 Leu Thr Ala Met Lys Ala Ala Phe Gln Ser Gln Tyr Lys Ser His Phe  
 580 585 590  
 Val Ala Ala Ser Leu Ser Asn Gln Lys Ala Gly Ser Ser Ala Ala Gly  
 595 600 605  
 Ala Ser Gly Trp Thr Ser Ala Gly Ser Leu Asn Ser Val Pro Thr Asn  
 610 615 620  
 Ser Ala Gln Gln Gly His Asn Ser Pro Asp Ser Pro Val Thr Ser Ala  
 625 630 635 640  
 Ala Lys Gly Ile Pro Gly Phe Gly Asn Thr Gly Asn Ile Ser Gly Ala  
 645 650 655  
 Pro Val Thr Tyr Pro Ser Ala Gly Ala Gln Gly Val Asn Asn Thr Ala  
 660 665 670

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Ser Gly Asn Asn Ser Arg Glu Gly Thr Gly Gly Ser Asn Gly Lys Arg  
675 680 685

Glu Arg Tyr Thr Glu Asn Arg Gly Ser Ser Pro Ser Gln Ser Arg Arg  
690 695 700

Asp Trp Gln Ser Ala  
705

<210> 336

<211> 480

<212> PRT

<213> Homo sapiens

<400> 336

Met Ile Arg Ala Ala Pro Pro Pro Leu Phe Leu Leu Leu Leu Leu Leu  
5 10 15

Leu Leu Leu Val Ser Trp Ala Ser Arg Gly Glu Ala Ala Pro Asp Gln  
20 25 30

Asp Glu Ile Gln Arg Leu Pro Gly Leu Ala Lys Gln Pro Ser Phe Arg  
35 40 45

Gln Tyr Ser Gly Tyr Leu Lys Ser Ser Gly Ser Lys His Leu His Tyr  
50 55 60

Trp Phe Val Glu Ser Gln Lys Asp Pro Glu Asn Ser Pro Val Val Leu  
65 70 75 80

Trp Leu Asn Gly Gly Pro Gly Cys Ser Ser Leu Asp Gly Leu Leu Thr  
85 90 95

Glu His Gly Pro Phe Leu Val Gln Pro Asp Gly Val Thr Leu Glu Tyr  
100 105 110

Asn Pro Tyr Ser Trp Asn Leu Ile Ala Asn Val Leu Tyr Leu Glu Ser  
115 120 125

Pro Ala Gly Val Gly Phe Ser Tyr Ser Asp Asp Lys Phe Tyr Ala Thr  
130 135 140

Asn Asp Thr Glu Val Ala Gln Ser Asn Phe Glu Ala Leu Gln Asp Phe  
145 150 155 160

Phe Arg Leu Phe Pro Glu Tyr Lys Asn Asn Lys Leu Phe Leu Thr Gly  
165 170 175

Glu Ser Tyr Ala Gly Ile Tyr Ile Pro Thr Leu Ala Val Leu Val Met  
180 185 190

Gln Asp Pro Ser Met Asn Leu Gln Gly Leu Ala Val Gly Asn Gly Leu

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	195					200					205				
Ser	Ser	Tyr	Glu	Gln	Asn	Asp	Asn	Ser	Leu	Val	Tyr	Phe	Ala	Tyr	Tyr
	210					215					220				
His	Gly	Leu	Leu	Gly	Asn	Arg	Leu	Trp	Ser	Ser	Leu	Gln	Thr	His	Cys
225					230					235					240
Cys	Ser	Gln	Asn	Lys	Cys	Asn	Phe	Tyr	Asp	Asn	Lys	Asp	Leu	Glu	Cys
				245					250					255	
Val	Thr	Asn	Leu	Gln	Glu	Val	Ala	Arg	Ile	Val	Gly	Asn	Ser	Gly	Leu
			260					265					270		
Asn	Ile	Tyr	Asn	Leu	Tyr	Ala	Pro	Cys	Ala	Gly	Gly	Val	Pro	Ser	His
		275					280					285			
Phe	Arg	Tyr	Glu	Lys	Asp	Thr	Val	Val	Val	Gln	Asp	Leu	Gly	Asn	Ile
	290					295					300				
Phe	Thr	Arg	Leu	Pro	Leu	Lys	Arg	Met	Trp	His	Gln	Ala	Leu	Leu	Arg
305					310					315					320
Ser	Gly	Asp	Lys	Val	Arg	Met	Asp	Pro	Pro	Cys	Thr	Asn	Thr	Thr	Ala
				325					330					335	
Ala	Ser	Thr	Tyr	Leu	Asn	Asn	Pro	Tyr	Val	Arg	Lys	Ala	Leu	Asn	Ile
			340					345					350		
Pro	Glu	Gln	Leu	Pro	Gln	Trp	Asp	Met	Cys	Asn	Phe	Leu	Val	Asn	Leu
		355					360					365			
Gln	Tyr	Arg	Arg	Leu	Tyr	Arg	Ser	Met	Asn	Ser	Gln	Tyr	Leu	Lys	Leu
	370					375					380				
Leu	Ser	Ser	Gln	Lys	Tyr	Gln	Ile	Leu	Leu	Tyr	Asn	Gly	Asp	Val	Asp
385					390					395					400
Met	Ala	Cys	Asn	Phe	Met	Gly	Asp	Glu	Trp	Phe	Val	Asp	Ser	Leu	Asn
				405					410					415	
Gln	Lys	Met	Glu	Val	Gln	Arg	Arg	Pro	Trp	Leu	Val	Lys	Tyr	Gly	Asp
			420					425					430		
Ser	Gly	Glu	Gln	Ile	Ala	Gly	Phe	Val	Lys	Glu	Phe	Ser	His	Ile	Ala
		435					440					445			
Phe	Leu	Thr	Ile	Lys	Gly	Ala	Gly	His	Met	Val	Pro	Thr	Asp	Lys	Pro
	450					455					460				
Leu	Ala	Ala	Phe	Thr	Met	Phe	Ser	Arg	Phe	Leu	Asn	Lys	Gln	Pro	Tyr
465					470					475					480

[illegible]

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<400> 337
Met Ala Ala Ala Lys Ala Glu Met Gln Leu Met Ser Pro Leu Gln Ile
      5                      10                      15

Ser Asp Pro Phe Gly Ser Phe Pro His Ser Pro Thr Met Asp Asn Tyr
      20                      25                      30

Pro Lys Leu Glu Glu Met Met Leu Leu Ser Asn Gly Ala Pro Gln Phe
      35                      40                      45

Leu Gly Ala Ala Gly Ala Pro Glu Gly Ser Gly Ser Asn Ser Ser Ser
      50                      55                      60

Ser Ser Ser Gly Gly Gly Gly Gly Gly Gly Gly Gly Ser Asn Ser Ser
      65                      70                      75                      80

Ser Ser Ser Ser Thr Phe Asn Pro Gln Ala Asp Thr Gly Glu Gln Pro
      85                      90                      95

Tyr Glu His Leu Thr Ala Glu Ser Phe Pro Asp Ile Ser Leu Asn Asn
      100                      105                      110

Glu Lys Val Leu Val Glu Thr Ser Tyr Pro Ser Gln Thr Thr Arg Leu
      115                      120                      125

Pro Pro Ile Thr Tyr Thr Gly Arg Phe Ser Leu Glu Pro Ala Pro Asn
      130                      135                      140

Ser Gly Asn Thr Leu Trp Pro Glu Pro Leu Phe Ser Leu Val Ser Gly
      145                      150                      155                      160

Leu Val Ser Met Thr Asn Pro Pro Ala Ser Ser Ser Ser Ala Pro Ser
      165                      170                      175

Pro Ala Ala Ser Ser Ala Ser Ala Ser Gln Ser Pro Pro Leu Ser Cys
      180                      185                      190

Ala Val Pro Ser Asn Asp Ser Ser Pro Ile Tyr Ser Ala Ala Pro Thr
      195                      200                      205

Phe Pro Thr Pro Asn Thr Asp Ile Phe Pro Glu Pro Gln Ser Gln Ala
      210                      215                      220

Phe Pro Gly Ser Ala Gly Thr Ala Leu Gln Tyr Pro Pro Pro Ala Tyr
      225                      230                      235                      240

Pro Ala Ala Lys Gly Gly Phe Gln Val Pro Met Ile Pro Asp Tyr Leu
      245                      250                      255

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Phe Pro Gln Gln Gln Gly Asp Leu Gly Leu Gly Thr Pro Asp Gln Lys  
 260 265 270  
 Pro Phe Gln Gly Leu Glu Ser Arg Thr Gln Gln Pro Ser Leu Thr Pro  
 275 280 285  
 Leu Ser Thr Ile Lys Ala Phe Ala Thr Gln Ser Gly Ser Gln Asp Leu  
 290 295 300  
 Lys Ala Leu Asn Thr Ser Tyr Gln Ser Gln Leu Ile Lys Pro Ser Arg  
 305 310 315 320  
 Met Arg Lys Tyr Pro Asn Arg Pro Ser Lys Thr Pro Pro His Glu Arg  
 325 330 335  
 Pro Tyr Ala Cys Pro Val Glu Ser Cys Asp Arg Arg Phe Ser Arg Ser  
 340 345 350  
 Asp Glu Leu Thr Arg His Ile Arg Ile His Thr Gly Gln Lys Pro Phe  
 355 360 365  
 Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Arg Ser Asp His Leu Thr  
 370 375 380  
 Thr His Ile Arg Thr His Thr Gly Glu Lys Pro Phe Ala Cys Asp Ile  
 385 390 395 400  
 Cys Gly Arg Lys Phe Ala Arg Ser Asp Glu Arg Lys Arg His Thr Lys  
 405 410 415  
 Ile His Leu Arg Gln Lys Asp Lys Lys Ala Asp Lys Ser Val Val Ala  
 420 425 430  
 Ser Ser Ala Thr Ser Ser Leu Ser Ser Tyr Pro Ser Pro Val Ala Thr  
 435 440 445  
 Ser Tyr Pro Ser Pro Val Thr Thr Ser Tyr Pro Ser Pro Ala Thr Thr  
 450 455 460  
 Ser Tyr Pro Ser Pro Val Pro Thr Ser Phe Ser Ser Pro Gly Ser Ser  
 465 470 475 480  
 Thr Tyr Pro Ser Pro Val His Ser Gly Phe Pro Ser Pro Ser Val Ala  
 485 490 495  
 Thr Thr Tyr Ser Ser Val Pro Pro Ala Phe Pro Ala Gln Val Ser Ser  
 500 505 510  
 Phe Pro Ser Ser Ala Val Thr Asn Ser Phe Ser Ala Ser Thr Gly Leu  
 515 520 525  
 Ser Asp Met Thr Ala Thr Phe Ser Pro Arg Thr Ile Glu Ile Cys  
 530 535 540

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<400> 338
Pro Pro Ala Thr Ser Tyr Ala Pro Ser Asp Val Pro Ser Gly Val Ala
          5          10          15

Leu Phe Leu Thr Ile Pro Phe Ala Phe Phe Leu Pro Glu Leu Ile Phe
          20          25          30

Gly Phe Leu Val Trp Thr Met Val Ala Ala Thr His Ile Val Tyr Pro
          35          40          45

Leu Leu Gln Gly Trp Val Met Tyr Val Ser Leu Thr Ser Phe Leu Ile
          50          55          60

Ser Leu Met Phe Leu Leu Ser Tyr Leu Phe Gly Phe Tyr Lys Arg Phe
  65          70          75          80

Glu Ser Trp Arg Val Leu Asp Ser Leu Tyr His Gly Thr Thr Gly Ile
          85          90          95

Leu Tyr Met Ser Ala Ala Val Leu Gln Val His Ala Thr Ile Val Ser
          100          105          110

Glu Lys Leu Leu Asp Pro Arg Ile Tyr Tyr Ile Asn Ser Ala Ala Ser
          115          120          125

Phe Phe Ala Phe Ile Ala Thr Leu Leu Tyr Ile Leu His Ala Phe Ser
          130          135          140

Ile Tyr Tyr His
145

```

```

<400> 339
Met Pro Gly Met Phe Phe Ser Ala Asn Pro Lys Glu Leu Lys Gly Thr
          5                      10                      15

Thr His Ser Leu Leu Asp Asp Lys Met Gln Lys Arg Arg Pro Lys Thr
          20                      25                      30

Phe Gly Met Asp Met Lys Ala Tyr Leu Arg Ser Met Ile Pro His Leu
          35                      40                      45

Glu Ser Gly Met Lys Ser Ser Lys Ser Lys Asp Val Leu Ser Ala Ala

```

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<210> 340
<211> 316
<212> PRT
<213> Homo sapiens
```

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<400> 340
Met Ala Thr Phe Val Glu Leu Ser Thr Lys Ala Lys Met Pro Ile Val
      5                      10                      15

Gly Leu Gly Thr Trp Lys Ser Pro Leu Gly Lys Val Lys Glu Ala Val
      20                      25                      30

Lys Val Ala Ile Asp Ala Gly Tyr Arg His Ile Asp Cys Ala Tyr Val
      35                      40                      45

Tyr Gln Asn Glu His Glu Val Gly Glu Ala Ile Gln Glu Lys Ile Gln
      50                      55                      60

Glu Lys Ala Val Lys Arg Glu Asp Leu Phe Ile Val Ser Lys Leu Trp
      65                      70                      75                      80

Pro Thr Phe Phe Glu Arg Pro Leu Val Arg Lys Ala Phe Glu Lys Thr
      85                      90                      95

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Leu Lys Asp Leu Lys Leu Ser Tyr Leu Asp Val Tyr Leu Ile His Trp  
 100 105 110  
 Pro Gln Gly Phe Lys Ser Gly Asp Asp Leu Phe Pro Lys Asp Asp Lys  
 115 120 125  
 Gly Asn Ala Ile Gly Gly Lys Ala Thr Phe Leu Asp Ala Trp Glu Ala  
 130 135 140  
 Met Glu Glu Leu Val Asp Glu Gly Leu Val Lys Ala Leu Gly Val Ser  
 145 150 155 160  
 Asn Phe Ser His Phe Gln Ile Glu Lys Leu Leu Asn Lys Pro Gly Leu  
 165 170 175  
 Lys Tyr Lys Pro Val Thr Asn Gln Val Glu Cys His Pro Tyr Leu Thr  
 180 185 190  
 Gln Glu Lys Leu Ile Gln Tyr Cys His Ser Lys Gly Ile Thr Val Thr  
 195 200 205  
 Ala Tyr Ser Pro Leu Gly Ser Pro Asp Arg Pro Trp Ala Lys Pro Glu  
 210 215 220  
 Asp Pro Ser Leu Leu Glu Asp Pro Lys Ile Lys Glu Ile Ala Ala Lys  
 225 230 235 240  
 His Lys Lys Thr Ala Ala Gln Val Leu Ile Arg Phe His Ile Gln Arg  
 245 250 255  
 Asn Val Ile Val Ile Pro Lys Ser Val Thr Pro Ala Arg Ile Val Glu  
 260 265 270  
 Asn Ile Gln Val Phe Asp Phe Lys Leu Ser Asp Glu Glu Met Ala Thr  
 275 280 285  
 Ile Leu Ser Phe Asn Arg Asn Trp Arg Ala Cys Asn Val Leu Gln Ser  
 290 295 300  
 Ser His Leu Glu Asp Tyr Pro Phe Asn Ala Glu Tyr  
 305 310 315

<210> 341

<211> 422

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(422)

<223> n = A,T,C or G

<400> 341

gatganattt ttcnagaga gaggaagang ctattcagtt ggatgggatt aaatgcatca

caaataagag aacttagaga gaagtcggaa aagtttgcct tccaagcccg aagttaacag 120  
aatgatgaaa cttatcatca attcattgta taaaaataaa gagattttcc tgagagaact 180  
gatttcaaatt gcttctgatg ctttagataa gataaggcta atatcactga ctgatgaaaa 240  
tgctctttct ggaaatgagg aactaacagt caaaattaag tgtgataagg agaagacctg 300  
ctgcatgtca cagacaccgg tgtaggaatg accagagaag agttgggttaa aaaccttggt 360  
accatagcca aatctgggac aagcgagttt ttaaacaaaa tgactgaagc acaggaagat 420  
gg 422

<210> 342  
<211> 472  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(472)  
<223> n = A,T,C or G

<400> 342  
ctggagaagg tgtgcagggg aaacctgct gatgtcaccg aggccagggt gtctttctac 60  
tcgggacact cttcctttgg gatgtactgc atgggtgttct tggcgtgna tgtgcaggca 120  
cgactctgtt ggaagtgggc acggctgctg cgaccacag tccagttctt cctggtggcc 180  
tttgccctct acgtgggcta caccgcgtg tctgattaca aacaccactg gagcgatgtc 240  
cttggtggcc tcctgcaggg ggcactggtg gctgccctca ctgtctgcta catctcagac 300  
ttcctcaaag cccgaccccc acagcactgt ctgaaggagg aggagctgga acggaagccc 360  
agcctgtcac tgacgttgac cctgggcgag gctgaccaca accactatgg ataccgcac 420  
tcctcctcct gaggccggac cccgccagg caggagagcta ctgtgagtcc ag 472

<210> 343  
<211> 139  
<212> DNA  
<213> Homo sapien

<400> 343  
gtcctggggc ttccccttcc ctcaagccag ggctcctcct cctgtcgtgg gctcattgtg 60  
accactggcc tctctacagc acggcctgtg gcctgttcaa ggcagaacca cgacccttga 120  
ctcccgggtg gggaggtgg 139

<210> 344  
<211> 235  
<212> DNA  
<213> Homo sapien

<400> 344  
ctgcgggctc agcacagtag acatgactgg gatccccacc ttggacaacc tccagaaggg 60  
agtccaattt gctctcaagt accagtgcgt gggccagtgt gtttacgtgc attgtaaggc 120  
tgggcgtccc aggagtgcc ctatggtggc agcatacctg attcaggtgc acaaatggag 180  
tccagaggag gctgtaagag ccatcgccaa gatccggtca tacatccaca tcagg 235

<210> 345  
<211> 458  
<212> DNA  
<213> Homo sapien

09649303450



&lt;400&gt; 345

ctgtaagggtg	ctattcagtc	ctgtgaccct	tatitttgaa	tgtctttcat	tactgttget	60
ctgttttgtg	acttcctggg	aaaccgccta	ctttgggtgtg	gtgtcacctt	gagctgtgca	120
cataggacac	cagttttgac	ttaacctaac	aggcagtttt	tatctctagc	tttttcaagc	180
caggtattga	gcagtttctt	ggccaatggc	ctgagaaacc	acctgtccct	gtcaaggggt	240
gattttattg	gttttaagtg	gggaagtaat	cccatgtact	tatttcttaa	atacctagga	300
agttcttctt	ggtggctcct	cttgccctc	ccctctttct	cccccaacc	accatcctgc	360
aaggcaagga	atggcctctc	cctccacaga	ggcaacggct	gcagagggag	cactgtgggt	420
gccatccag	ttctcttca	aagccaaaca	gacacgag			458

&lt;210&gt; 346

&lt;211&gt; 525

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(525)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 346

ccagagcaca	acgcctcacc	atggactgga	cctggaggat	ntcttnnng	gtggcagcag	60
ccacaggtgt	ccactcccaa	gcccaacttg	tgcagtctgg	ggctgaggag	aagaagcctg	120
gggcctcagt	gactatttct	tgttaaggctt	ctggatatat	ncttactaaa	tatactttac	180
attgggtgcg	ccaggccccc	cccggacaaa	gacctgaatg	ggtgggatgg	atcaacactg	240
gcattgatac	cgttaaatat	tcacagaagt	ttcaggacag	agtctccatt	acctgggact	300
catccgcgac	cacagnctac	ctgnanntga	gtagcctgga	atccgaagac	acggctgtgt	360
attactgtgc	gagacttang	gcccgttcgc	tgtggtggga	cttaatgacg	cttttgacat	420
ctggggccaa	gggacagtgg	tcaccgtctc	ttcanggagt	gcattcgccc	caaccctttt	480
ccccctctct	cctgtgaaga	attccccgnc	ggatacgagc	agcgt		525

&lt;210&gt; 347

&lt;211&gt; 423

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 347

ccagacgctg	acttgtttct	gagtccttaa	gcaggaagga	tttgaaatcc	tggagcttgg	60
cagtcttget	cttcacctct	aagccaatgt	tgaccccttc	atctataaag	tocacaactc	120
tccggaagtc	atctcacgg	aactgtcgag	aagttaaggc	tggggcccca	agccgcaggc	180
cgcccgggtg	gatggcactt	cggtctccag	gacaggtgtt	cttgttggca	gtgatggata	240
caagctctag	caccgctca	gcccagctc	catccaggcc	cttgggccgc	aggteacca	300
gcaccaggtg	gttgtcagta	ccacctgata	ccagtgagta	gcctcgtctc	agcagggcat	360
ctgccatggc	ccgagcattc	ttcagaacct	gcagggagta	ctcccgaac	atgggggtgc	420
agg						423

&lt;210&gt; 348

&lt;211&gt; 513

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 348

cctctaggcc	tgatgctctc	agaggcaata	gaagaaaagt	aaaaggaagg	totcacttca	60
cagacaatga	aacctccta	accctcttcc	ccactacca	caactcccta	cactgccaat	120

ctaaataaaa agaggacaat gcatgagtg gagatacaca tacacacaca cacatacaca 180  
cacacacacg cacagcttcc ttccagccaa agaactgcaa aatccctccc cggaaggagg 240  
acaactggca acaccaatca aggccttggt gtctaagggt atggctggaa tcatgtgaga 300  
ctggtaaaaa tccagggaga aaatgtttca ccttcagctc attcccaagt ctctatgaag 360  
cccgccccac ttccacatag gggaactgtg gctctggggg cagcctctgc agctactcag 420  
aataggtggg aggaggggct ggctttgagg ctgccttagc catgaggctc tttgcctagg 480  
aatagctgga gatgggagct gcagggggct cag 513

<210> 349

<211> 231

<212> DNA

<213> Homo sapien

<400> 349

ccttattttct ctgtccttt cgtacagga ggaatttgaa gtagatagaa accgacctgg 60  
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120  
atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180  
atatggactc tagagtagga ttgcgctggt atccctaggg taacttgttc c 231

<210> 350

<211> 341

<212> DNA

<213> Homo sapien

<400> 350

ctgccccagg gcgttcgtaa cgggaatgcc gaagcgtggg aaaaaggagg cggtggcgga 60  
agacggggat gagctcagga cagagccaga ggccaagaag agtaagacgg ccgcaaagaa 120  
aaatgacaaa gaggcagcag gagagggccc agccctgtat gaggaccccc cagatcagaa 180  
aacctcacc agtggcaaac ctgccacacc caagatctgc tcttggaatg tggatgggct 240  
tcgagcctgg attaagaaga aaggattaga ttgggtaaaag gaagaagccc cagatatact 300  
gtgccttcaa gagaccaa atgttcagagaa caaactacca g 341

<210> 351

<211> 256

<212> DNA

<213> Homo sapien

<400> 351

ggcggttggg acggtttag gacgtggctc tttattcgtg agttttccat ttacctccgc 60  
tgaacctaga gcttcagacg ccctatggcg tccgcctcga cccaaccggc ggccttgagc 120  
gctgagcaag caaaggtggt cctcgcgagg gtgatccagg cgttctccgc cccggagaat 180  
gcagtgcgca tggacgaggc tcgggataac gcctgcaacg acatgggtaa gatgctgcaa 240  
ttcgtgctgc ccgtgg 256

<210> 352

<211> 368

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(368)

<223> n = A,T,C or G

TC050-2254860

&lt;400&gt; 352

cctttcttgt	aagtgaagaa	naaggaatgc	agcaaagaag	agttcgacat	tgagtcctt	60
agttccatca	ggatcccatt	cgcagccttt	agcatcatgt	agaagcaaac	tgacccatg	120
gctgagatag	gtgcaatgac	ctacaagatt	ttgtgttttc	tagctgtcca	ggaaaagcca	180
tcttcagtct	tgctgacagt	caaagagcaa	gtgaaacccat	ttccagccta	aactacataa	240
aagcagccga	accaatgatt	aaagacctct	aaggctccat	aatcatcatt	aaatatgcc	300
aaactcattg	tgacttttta	ttttatatac	aggattaaaa	tcaacattaa	atcatcttat	360
ttacatgg						368

&lt;210&gt; 353

&lt;211&gt; 368

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 353

ctgaggggtg	gcagtaagca	atgaggatgg	gctataaagc	tgtaactgg	ctaagggcca	60
tccttgggca	ggcattttcag	acacatctgt	agagagggca	gtagcatctc	cgataggcca	120
gctctgaagg	aagcttaatg	cttaatacag	tcacactgca	taaattagct	tagaatgctc	180
tcttgggtaa	aaaatattaa	tagtgtatat	gcacttgaag	agcaaaatto	ctcaagaaaa	240
aaagtttaat	agcaaggagt	ttccatcagt	cccgtcttt	gtgaggatta	ccacaacaaa	300
cacttaaaag	gatacaacag	gtacttatta	aatgctgcct	tgccctttac	ctcttccttt	360
tttttttt						368

&lt;210&gt; 354

&lt;211&gt; 380

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 354

ccatggcttc	tcacccagac	agtctttctg	ggcaacttgg	ggaagcccct	gttctgctca	60
agtctcacc	catggaagag	gtgggggaag	ggggccttgg	tttttcagga	agacaggttg	120
gagagcacga	gtcactacaa	agcagtaaaa	gtgaatggtg	tctccagggg	ctgggtccag	180
aacaccacgg	agagccccag	ccataaaggt	gtgttccgcc	tctggcctgc	aggaatctct	240
ttgaatctct	ttgattgggt	gtcccaagag	caatgggaag	tcaacagcca	ggaggctgga	300
ctgggttccc	tgggaccccg	aggtcccaga	gctgctgggc	agtggttgtc	ggcaaagaag	360
aaaggtccaa	gagggtcagg					380

&lt;210&gt; 355

&lt;211&gt; 347

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 355

ccagtggagg	ggtgggggta	tcgatccgc	cgggggctgg	cttggttget	ggtgccctga	60
gcccttctct	gccgccttgg	gtgttgccct	cactgatgga	ggtaggcgtc	cagccagatg	120
tcaccagact	tcttcgggga	cctgacgatg	tccaccagcg	cggtagggaa	gggcttcact	180
togtagctga	ggcogtgctt	ggcacacagc	gacttgacca	gcggggccac	ccggctgtag	240
ttgtgtctcg	gcatectggg	gaagagggtg	tgctcgatct	ggaagttgag	gtgcccgctg	300
aaccagttgg	tgaaaagtga	gggctccacg	ttgcagggtg	ctgccag		347

&lt;210&gt; 356

&lt;211&gt; 157

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

<400> 356  
 cctggagctg ctgaagactg ctattgggaa agctggctac actgataagg tggatcatcg 60  
 catggacgta ggggctccg agttcttcag gtctgggaag tatgacctgg acttcaagtc 120  
 tcccgatgac cccagcaggt acatctcgcc tgaccag 157

<210> 357  
 <211> 323  
 <212> DNA  
 <213> Homo sapien

<400> 357  
 ccatacaggg ctggtgcccc ggccttagag gtcactcctc gtacctgat ccagaactgt 60  
 ggggccagca ccatacgtct acttacctcc ctccgggcca agcacaccca ggagaactgt 120  
 gagacctggg gtgtaaatgg tgagacgggt actttgggtg acatgaagga actgggcata 180  
 tgggagccat tggctgtgaa gctgcagact tataagacag cagtggagac ggcagttctg 240  
 ctactgcgaa ttgatgacat cgtttcaggc cacaaaaaga aaggcgatga ccagagccgg 300  
 caaggcgggg ctctgatgc tgg 323

<210> 358  
 <211> 555  
 <212> DNA  
 <213> Homo sapien

<400> 358  
 aaaaggtttc taaaacatga cggaggttga gatgaagctt cttcatggag taaaaaatgt 60  
 attttaaaga aaattgagag aaaggactac agagccccga gttaatacca atagaagggc 120  
 aatgctttta gattaaaaatg aaggtgactt aaacagctta aagtttagtt taaaagtgt 180  
 aggtgattaa aataatttga aggcgatctt ttaaaaagag attaaaccga aggtgattaa 240  
 aagaccttga aatccatgac gcaggagaa ttgcgtcatt taaagcctag ttaacgcatt 300  
 tactaaacgc agacgaaaat ggaaagatta attgggagtg gtaggatgaa acaatttggg 360  
 gaagatagaa gtttgaagt gaaaactgga agacagaagt acgggaaggc gaagaaaaga 420  
 atagagaaga tagggaaatt agaagataaa aacatacttt tagaagaaaa aagataaatt 480  
 taaacctgaa aagtaggaag cagaagaaaa aagacaagct aggaaacaaa aagctaaggg 540  
 caaaatgtac accac 555

<210> 359  
 <211> 549  
 <212> DNA  
 <213> Homo sapien

<400> 359  
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 agtcacttcc actggtggac cacgggcccc cagccctgtg tcggccttgt ctgtctcagc 120  
 tcaaccacag tctgacacca gagcccactt ccatcctctc tgggtgagg cacagcgagg 180  
 gcagcatctg gaggagctct gcagcctcca cacctaccac gacctcccag ggctgggctc 240  
 aggaaaaaac agccactgct ttacaggaca gggggttgaa gctgagccc gcctcacacc 300  
 ccccccatg cactcaaaga ttggatttta cagctacttg caattcaaaa ttcagaagaa 360  
 taaaaaatgg gaacatacag aactctaaaa gatagacatc agaaattgtt aagttaagct 420  
 ttttcaaaaa atcagcaatt cccagcgta gtcaagggtg gacactgcac gctctggcat 480  
 gatgggatgg cgaccgggca agctttcttc ctcgagatgc tcttgctgct tgagagctat 540  
 tgctttggt 549

<210> 360

<211> 289  
 <212> DNA  
 <213> Homo sapien

<400> 360  
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 taatatataa aacttcttgc ttaaattgaa tttctatatt agtgggtaaat tgcagtttat 180  
 taaagggatc attatcagta atttcatagc aactgttcta gtgttttgtg tttttaaaac 240  
 agaattagga atttgagata tctgattata tttttcatat gaatcacag 289

<210> 361  
 <211> 311  
 <212> DNA  
 <213> Homo sapien

<400> 361  
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 gaacacactg gaataagatg gagggcagga tacctgccaa agcctgagga atgagatgat 120  
 ctgaaacaat tgggcaaagg ctggacattt caaaaagctg acttccaact gcagtttatg 180  
 ggtatagaat ttgatgcttc cctcaagtcc tgactgctct ttctgaggca gccaggctag 240  
 gccaaagaaat gagctgctcc agcttctcca gagcacagca gcctcccagg gcctgtcagc 300  
 atctgcagca g 311

<210> 362  
 <211> 496  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(496)  
 <223> n = A,T,C or G

<400> 362  
 ccagtttcta aaanaatgca catttaaaga gaagcatcta ccacggcttt aaaacaaaac 60  
 aactctgaga tgaacaatat gtgttatact cagagattaa caatctcaat catacatact 120  
 gattctttca gacatttaaat aaccactaca tttttttgca ttaatgaagt ttgactatat 180  
 gtgtaaaggg actaaatatt tttgcaacag cctgttcttt gttcattctt ttctggatag 240  
 cgtgtcctct gtattgcggt agattttatac attctgttgc ctaaatatgt gtgtaaaatg 300  
 agctgataaa ctggagtact acttaaaaaa aagtctgtga tttataagat gcatatgctt 360  
 tctatgtgaa tataagcttg tgcacaatgt ttaaaagaaa aacaatgaat tagaagagat 420  
 cccccgtccc ccagtctgac atatttcata cagaatgttt aaaagaaaaa ctctgctagt 480  
 cttggcaaac atttgg 496

<210> 363  
 <211> 673  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(673)  
 <223> n = A,T,C or G

094956.0504

&lt;400&gt; 363

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tgctttaatc agtgtgatta atgcagcacc cattgccccg ggaaccggtt ctgctgtact 120
atctggatac taaaatgta cggaagtagc ttttggttct ccctcactct gcccttagtt 180
aatagaaatt cagactcgcc aagtaaggct ttgtgcatag tgtcttcatg tcgcgtatag 240
ttgagcgctg tcttagcagt tggcttcagt gacagctcat tagtgttttg acttttctta 300
cccagcgta attgaattct tgcttttaga caacttcctt tttgtagtgg tgaaccttgc 360
ccttttagtac agttcaagtg aatctggata attgttcac tttgcttttag cttagataacc 420
atgtagtggt ctgtggctac aggaagctgg ttctgtctgc ttccacagtc tgcttaaaaa 480
actgtctgac ttctgaata tagagaccaa gtttaccact tctgatgaag agaccaatta 540
agattcattc ctcatctgt ttctttccag tgggagaaga gtcccatga aataagatga 600
aactgattcc atgcactagt acatgtaggc ttctoccttg cgcaaagctt aacaatttgt 660
aggaaacttt ggg 673

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&lt;210&gt; 364

&lt;211&gt; 495

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(495)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 364

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ccaaatgttt gcncaagact agcagagttt ttcttttaaa cattctgtat gaaatatgtc 60
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gcttatattc acatagaaag catatacatc ttataaatca cagacttttt ttaagtagt 180
actccagttt atcagctcat ttacacaca tatttaggca acagaatgta taaatctacc 240
gcaatacaga ggacacacta tccagaaaag aatgaacaaa gaacaggctg ttgcaaaaat 300
atthagtccc ttacacata tagtcaaact tcattaatgc aaaaaatgta gtggttatta 360
aatgtctgaa agaatcagta tgtatgattg agattgttaa tctctgagta taacacatat 420
tgttcatctc agagttgttt tgttttaaag cagtggtaga tgcttctctt taaatgtgca 480
tttttagaaa actgg 495

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&lt;210&gt; 365

&lt;211&gt; 291

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 365

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aactgacaag cccttgcgcc tgccctctcca ggatgtctac aaaattgggtg gtattgggtac 60
tgttcctgtt ggcccagtg gagactgggtg ttctcaaacc cggatgggtg gtcacctttg 120
ctccagtcaa cgttacaacg gaagtaaaat ctgtcgaaat gcaccatgaa gctttgagtg 180
aagctcttcc tggggacaat gtgggcttca atgtcaagaa tgtgtctgtc aaggatgttc 240
gtcgtggcaa cgttgctggt gacagcaaaa atgaccacc aatggaagca g 291

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&lt;210&gt; 366

&lt;211&gt; 277

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 366

ctggatggtg	cctcagaagg	tgcattctgc	ttctgcaggg	gcttgaaaca	ccaaggcact	60
ccagggatcc	tggagtcaaa	gcagcagccc	cggttggtgc	actccttggg	ggtgacatgg	120
gggtagcccg	cagtccaccc	tgctccttggc	tggcacggca	caactggtttg	cagacaggcc	180
cacgtactcc	tcagcagagc	tggaggacaa	gcaaggccag	gaccagcccc	agcatgcaga	240
gcgctctggc	agccatgacc	accgtgggct	ccgggac			277

&lt;210&gt; 367

&lt;211&gt; 311

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 367

ccagagctgc	ggggcctcag	tacacggagc	tggtccggat	gccacagcac	agcaccatgc	60
tcaggatcat	ctcgaagatc	atgatcacag	cgaccacgat	ggcagcaatg	ccgatgaggt	120
acagcttccc	ggagaagagg	tcacgatctc	tctggtggca	gtcctccttg	aagaggttgc	180
tgatgatgtt	gctgcccgag	ggacacaaat	tggtcttgag	caactgaggtg	gtcaaagcag	240
tcagtgtgct	ggagccacag	cagtcaagcg	tctcgtggaa	ggtcttcacc	acagccttgg	300
cggtgttggc	g					311

&lt;210&gt; 368

&lt;211&gt; 384

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 368

ccaaaggggt	ctctagctgc	tgtctctgctg	ctcctgctca	tggatgagtt	tggcgatggg	60
gccggtgatg	ccgcctatca	aggtccagta	ctcatcgaag	ctgatgcgcc	catcaggatt	120
ggcatccagg	ttctggatga	gcttatccgc	agccttcggg	ttccctgtgt	ccgacagcat	180
gtggttcagc	tctttctgga	gcatctcgcg	gaagctgctc	ttgctgatct	tggtcttgac	240
caggctgtac	ctagacacat	atgtgtagaa	gttttccacc	aggacaatga	ctgccttctc	300
cagctccgtg	tagcaagtct	gacatctccc	tgcttcgcct	gctggcgggg	cctaaggcgg	360
gggccaaagg	cagttacagc	ccag				384

&lt;210&gt; 369

&lt;211&gt; 216

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 369

ccaagtgcc	ggtggctttc	agcagcttcc	tacgatcagc	cgaagaaagc	agaagctctg	60
gaggctgcc	tcgagaacct	caatgaagcc	aagaactatt	ttgcaaagg	tgactgcaa	120
gagcgcatca	gggacgtcgt	ttacttccag	gccagactct	accataccct	ggggaagacc	180
caggagagga	acoggtgtgc	gatgctcttc	cggcag			216

&lt;210&gt; 370

&lt;211&gt; 561

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 370

ctggctcctt	cttttgtggt	cgtttggggg	atgggctggt	ttggggttta	ggtgcagaga	60
atggtttggg	gcoactgcgt	actggaccac	tctgagcctt	cagggcaggg	ttcttgtgag	120
tcttcatgtc	atcagataca	tgtttcaggg	catgtgtaat	gctctcccc	tgattaatct	180
gcgcgaacag	tgctgagcgg	gaagcagact	catctgagcc	tgaactggta	gagactgggg	240

gaggaggggg gcctggtgga gggggaggag gacctgatcc ggagaggggt ccagatggca 300  
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actccttaat gtaagcctgc agctctgtcc atatacttaa ataagctttg acccagtcct 420  
catgcttctt atccacatct ttgtactctt tgaggactcg gtttgataaa aacatggogg 480  
catcattcat ttcttttcga taagggccag gcttgggagc catagccacc cagcccaggg 540  
cctggatact ttcgctgaca g 561

<210> 371  
<211> 518  
<212> DNA  
<213> Homo sapien

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acaggacagg ggggtgaagc tgagccccgc ctcacacca ccccatgca ctcaaagatt 180  
ggatttttaca gctacttgca attcaaaatt cagaagaata aaaaatggga acatacagaa 240  
ctctaaaaga tagacatcag aaattgttaa gttaagcttt ttcaaaaaat cagcaattcc 300  
ccagcgtagt caagggtgga cactgcacgc tctggcatga tgggatggcg accgggcaag 360  
ctttcttctt cgagatgctc tgctgcttga gagctattgc tttgttaaga tataaaaagg 420  
ggtttctttt tgtctttctg taagggtggc ttccagcttt tgattgaaag tcctagggtg 480  
attctatttc tgctgtgatt tatctgctga aagctcag 518

<210> 372  
<211> 335  
<212> DNA  
<213> Homo sapien

<400> 372  
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gcattgaaga cgggtgtgaa aaagccaaag ggaaaagcac caacacccaa tgagaagtgg 120  
aagcccccg taccacaaa tggctggaat cccctctgc tctccggagc tggctctctg 180  
ccctgggggc ggggtggagt ttttaatctg ggatcctggg gcttctggct cctcgcgcc 240  
taaagcggga caacctctc tctgctgac ccagctttac atactggaca ctcttgccgt 300  
tctggccgtg tctccagcca ctgatgaaga catgg 335

<210> 373  
<211> 467  
<212> DNA  
<213> Homo sapien

<400> 373  
ccactagctg aatcttgaca tggaaggttt tagctaattgc caagtggaga tgcagaaaat 60  
gctaagttga cttaggggct gtgcacagga actaaaaggc aggaaagtac taaatattgc 120  
tgagagcatc caccacagga aggactttac cttccaggag ctccaaactg gcaccacccc 180  
cagtgtcac atggctgact ttatcctccg tgttcattt ggacacagca gtggcagtgt 240  
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gagcttttgt tccccgggca aaagcttccc attcaaatac cccacagga ccattccaca 360  
caatctgctt agcccgagt acagcctcag catacttctt gctgctttca ggaccacagt 420  
ccaagcccat ccagccagca ggtacgccag aagccacagt ggcttgg 467

<210> 374  
<211> 284  
<212> DNA

TC0050" 92964850



<213> Homo sapien

<400> 374

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acccgagggg	cggcggcgcg	gttttttatg	gtgacacaaa	tgtatatatt	gctaacagca	120
attccaggct	cagtattgtg	accgcggagc	cacaggggac	cccacgcaca	ttccgttgcc	180
ttaccgatg	gcttgtgacg	cggagagaac	cgattaaaac	cgtttgagaa	actcctccct	240
tgtctagccc	tgtgttcgct	gtggacgctg	tagaggcagg	ttgg		284

<210> 375

<211> 307

<212> DNA

<213> Homo sapien

<400> 375

cctactcttc	tccgtccatt	gtactatctg	cccgtggtgg	ggatggcagt	aggatcatat	60
ttgatgactt	ccgagaagca	tattattggc	tccgtcataa	tactccagag	gatgcgaagg	120
tcatgtcctg	gtgggattat	ggctatcaga	ttacagctat	ggcaaaccga	acaattttag	180
tggacaataa	cacatggaat	aatacccata	tttctcgagt	agggcaggca	atggcgtcca	240
cagaggaaaa	agcctatgag	atcatgaggg	agctcgatgt	cagctatgtg	ctggtcattt	300
ttggagg						307

<210> 376

<211> 650

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(650)

<223> n = A,T,C or G

<400> 376

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ttctcagtc	ctgcaaagta	gcccttctcg	ttggagcacc	ggaagagacg	tgtgtgtttc	120
atgtactcgg	catcgtcatc	atagggcttc	tgtgccccaa	tgcccaccca	gaagaagtcc	180
tcaggctcct	caccttcggt	gataacctgc	ttgctgtagg	aggtgtcaaa	catggtgttc	240
aggatgtcct	ctgccaactt	ggcttcgtca	gggtctgatg	ccgggcccac	ccaggcatac	300
acgatgccct	ggttgtcctc	actotcaaag	ggaaccttga	ggatgaagca	gaactcggag	360
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gtgcggatct	ggtagaggct	gggctgttgg	gcgccttgga	ccgccttctc	cttgccccgg	480
tggatgatga	acttcctctt	gaaatgggac	aggaacttgg	ggttctcctg	ctgctgcgtc	540
atgcgtacca	cctccagctt	cccagggaag	aggctctcga	acttcttttg	caggctgaag	600
gtgaagggtga	cccaccata	ttgggaggct	ttcacggccc	tgccagaagt		650

<210> 377

<211> 306

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(306)

<223> n = A,T,C or G

05849622954850



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 tcttctcagg gtcagagaag attcttcatg ggaaatcaag ttctaaagge tttgccccaa 540  
 gagatgatga ggcag 555

<210> 381  
 <211> 406  
 <212> DNA  
 <213> Homo sapien

<400> 381  
 ctgcaccagg tgggcctcta ggteccatta agcccattgg tccagggccca agtccaactc 60  
 cttttccatc atactgagca gcaaagttcc caccgagacc aggggggcca ggaggaccag 120  
 gtggaccagg agggcctgtg ggaccatctt caccatctct gcctgggggg cctggtggac 180  
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 aagattggca tgttgctagg cataaggtta ctgcaagcag caacaaagtc cgcgtatcca 300  
 caaagctgag catgtctagc acttagacat gcagactcct tgtgtcgcag agcccctggg 360  
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<210> 382  
 <211> 528  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(528)  
 <223> n = A,T,C or G

<400> 382  
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 ctgggaaagg ggaccgggcc gtgatgttaa atatctccgg ctcccaagtg actggatttg 180  
 cctaggacct tcagaccaac agacttcaga ccctcagacc tgccccgggg ccagggtggag 240  
 aaagtgaggg ccgtacaagg aagtgaatt ctgagttggt ggggctaagc ctgacccct 300  
 ctccatgctc cccgccccaa cccactctgg cctcagtaga ttttttttc agttgtggtt 360  
 gttgccagg ctggagtgc gtagcgccat cttggctcac tgcacctcca cttccgggc 420  
 tcaagcgatt ctccagctc agcctcctga gtagctagga ctgcaggtgc tccaccaagc 480  
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<210> 383  
 <211> 335  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(335)  
 <223> n = A,T,C or G

<400> 383  
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 atccaagtgg taatgggcga agtttattca gcatccggca atggacttat cgtagtggg 180  
 gaaacgggtg ttccgaataa tatcctggaa gttatcagga cacctatttt aaatataggc 240

ctgaattttg taaagtaata ttttaaggtgg tccgtgataa ttaaataaaa tgcttaattc 300  
atgtggcgaa aaaaaaaaaa naaaaaaaaa aaaaa 335

<210> 384  
<211> 333  
<212> DNA  
<213> Homo sapien

<400> 384  
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tgggtgtcacg tccatccgag cgctgcctca gggatcgata aagtttctact gcagaaagtc 180  
tccactgcgg tatgttgaca tctgcctga accttcaccc tacagcatta caggctttaa 240  
tcagattctg ctggaaagac acaggctgat ccaagtgacc tcttctgcct tcaactgggct 300  
ggggtgatcc ttggtgcctt tgtttcacac agg 333

<210> 385  
<211> 343  
<212> DNA  
<213> Homo sapien

<400> 385  
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aacagccagc cgatatggac ttctagctgc accgggtcac tgagggtgga gaggtttgtc 120  
tggcacctgt actctccaact gtcgtcgact gtggcagcgt caatgaagta gctcgaggcc 180  
tggcttgaga tgaggtctc attgtgaaac cactgtgtgg aattgtcctc aggggagtag 240  
gctccctggc acttcagagt cacactgtcc ttctcgagca cctgtacca ttgaggctcc 300  
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<210> 386  
<211> 244  
<212> DNA  
<213> Homo sapien

<400> 386  
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ccataaacca gcattgaact gattataaac ataagaacag agacggcaaa aagaacacag 180  
gcattatcag ccattctctc agacgaatag taattaccga tgacttcata ctgaatgttg 240  
acag 244

<210> 387  
<211> 504  
<212> DNA  
<213> Homo sapien

<400> 387  
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gtcagcatcc gtccagctt cactgcatca gcggcaaaact tgcggatccc gtcagagagc 120  
ttctccacag ccatctggtc ctggttggtc aaccaacgga aagacttctc atccagggtg 180  
atctttttcca ggtcactggc ttgggcccgc ttgggtgaga gcacaggcac cagcttggcg 240  
ttgtcctgca gcagctctcc caggagcttg ggtgggatgg tgaggaagtc acagccggcc 300  
agtgcctttga tctcgccgt gttgcggaag gaggcgccca tgacaatggt tttgtagcta 360  
aacttcttgt agtagttgta gatttttagtg acactcttta cccagggtc ttccaggggc 420

tcataggatt tcttgtcggg gtttgcacac tgccaatcaa ggatgcgccc aacaaatggg 480  
gagatgaggg tcacacccgc ctgc 504

<210> 388  
<211> 450  
<212> DNA  
<213> Homo sapien  
  
<220>  
<221> misc\_feature  
<222> (1)...(450)  
<223> n = A,T,C or G

<400> 388  
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gtggagggtg gggggagctc agtggcaggg aatcagcggg ccgtggggtc gtggggacgg 120  
gaacatgtgc cgcacgcctc catcccctcc tctccttag gatgcataac ctaccttgc 180  
tttttttttt taaattttnt ttccaggtan agtagctntt tgtacataaa naatacttga 240  
aaaattaatt gtatgatgta tgaaaanaca nagtctccta gttttgtatn ttgttgtatg 300  
actgccatga gttccaccaa aaagccactn tattttgggc tntgtgacat tttaaatgcg 360  
tgacaaaagt gagcaataa agngaggaan aaatntatnt atganataat atanattgta 420  
ttgaaatcta aaaaaaaaaa aaaaaaaaaa 450

<210> 389  
<211> 297  
<212> DNA  
<213> Homo sapien

<400> 389  
cctgcacttg aacatggcctt tggttttaag caactttctt accctgaccc tctcctggg 60  
acagcgtttc gggagggttc ttggcctcac tgagagggat gtggagctgc tgtaccccg 120  
caaggagaag gtattctaca gctgatgag ggagagcggc tacatgcaca tccagtgcac 180  
caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtctgg ctgcctatat 240  
tctagagaag tttccacct ggaccaatac ggaattccga tacctggagg atggagg 297

<210> 390  
<211> 223  
<212> DNA  
<213> Homo sapien

<400> 390  
ctgggctgga gagttggtgc tggcaaaaca gtccttcccc tggggccggt tcttaccag 60  
gtccagagaa accaacgcgg gatgtcagac ttacacaaaa ggactttctg gttgcccctg 120  
gctggcttcc tggaggcgtt cgcctctagt ttctcagggg tggagcgaga gccagccag 180  
agaacagtaa gaggagctgc tctcctatct gcactcacc agg 223

<210> 391  
<211> 365  
<212> DNA  
<213> Homo sapien

<400> 391  
ctgaggaaga aatgaaaaaa gaccctgtcc ctcatggccc gccactggc ctctgtgaa 60  
ctctgtcctg ttgccaaccc cagatgaagt cagccaaaaa gtgctttcca catcctctct 120

10050-3296460

ctggggctgc ccagcctgac cgtaggggat ccaactggcag agccaagggtg gatgctgggtg 180  
 cctgaagctg gaagccagca ggacatgaga cccctcctgt agcaggaagt ggttctagaa 240  
 ctcccagcag aacagaacgg aaaaggagct gattggggat agaattgagtt ctgctaaaca 300  
 gccagatgct ctgagagagg tgacactgga ctgtctcgga ggtgtgtgca gatggctaca 360  
 ggtgg 365

<210> 392  
 <211> 302  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(302)  
 <223> n = A,T,C or G

<400> 392  
 ccaagagcta caatgagcag cgcatacanga cagaacgtgc aggttttttga gttccagttg 60  
 actgcagagg acatgaaagc catagatggc ctagacagaa atctccacta ttttaacagt 120  
 gatagttttg ctagccaccc taattatcca tattcagatg aatattaaca tggagagctt 180  
 tgctgatgt ctaccagaag ccctgtgtgt ggatgggtgac gcagaggacg tctctatgcc 240  
 ggtgactgga catatcacct ctacttaaat ccgtcctgtt tagcgacttc agtcaactac 300  
 ag 302

<210> 393  
 <211> 213  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(213)  
 <223> n = A,T,C or G

<400> 393  
 ccaataatca agnacaaaana ctggatttga ggatggatca gttctgaaac agtttctttc 60  
 tgaaacagag aaaatgtccc ctgaagacag agcaaaatgc tttggaaaga atgaggccat 120  
 acaggcagcc catgatgccg tggcacagga aggccaatgt cgggtagatg acaagggtgaa 180  
 tttccatttt attctgttta acaacgtgga tgg 213

<210> 394  
 <211> 334  
 <212> DNA  
 <213> Homo sapien

<400> 394  
 cctaccata atccagagag gcttgcccag aggaggacta cgtgggggac gtgccaccag 60  
 aaccctactt gggggcggga tgtcactccg aggtcaaaac ctgctccgag gtggacgagc 120  
 cgtagctccc cgaatgggct taagaagagg ttgtgttcga ggtcgtggag gtcctgggag 180  
 agggggccta gggcgtggag ctatgggtcg tggcggaatc ggtggtagag gtcgggggtat 240  
 gataggctcg ggaagagggg gctttggagg ccgaggccga ggccgtggac gagggagagg 300  
 tgcccttgct cgccctgtat tgaccaagga gcag 334

<210> 395



acaccacagg gagaaaataa gtgggagccc agcacttttc ttgctcttga aagtaaatac 420  
gaagaaaatc gagctgctcc agtctgtaaa ggtgctagca ttgaacatcc agaagcatct 480  
aaaactctcc ttacttcgaa gatgccaaga ccggcag 517

<210> 399  
<211> 329  
<212> DNA  
<213> Homo sapien

<400> 399  
ccaacctcag gcaacgggtg gagcagtttg ccagggcctt ccccatgcct ggttttgatg 60  
agcattgaag gcacctggga aatgaggccc acagactcaa agttactctc cttcccccta 120  
cctgggccag tgaaatagaa agcctttcta ttttttggtg cgggaggga gacctctcac 180  
ttagggcaag agccaggat agtctccctt ccagaattt gtaactgaga agatcttttc 240  
tttttccttt tttcggtaac aagacttaga aggagggccc aggcactttc tgtttgaacc 300  
cctgtcatga tcacagtgtc agagacgcg 329

<210> 400  
<211> 451  
<212> DNA  
<213> Homo sapien

<400> 400  
ctggcttcac tgctcaggtg attatcctga accatccagg ccaaataagc gccggctatg 60  
cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120  
agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctggtg 180  
atgctgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240  
atccaccttt gggctcgcttt gctgttcgtg atatgagaca gacagttgag gtgggtgtca 300  
tcaaagcagt ggacaagaag ctgctggagc tggcaaggtc accaagtctg cccagaaagc 360  
tcagaagcta aatgaatatt atccctaata cctgccaccc cactcttaat cagtgggtgga 420  
agaacggctc agaactgttt gtttcaattg g 451

<210> 401  
<211> 180  
<212> DNA  
<213> Homo sapien

<400> 401  
ccaggaagca ggccaggga ttggcagcac tgcccagcac cacagccagg tggtaggcca 60  
gacgccgta gggtaagcag gaaaagctct gcacggcagg cagcacgcca ttggtcagcg 120  
cgttggtggc ggccaacagg cccagcaggc aggcactgag ggctgataga agctgatagg 180

<210> 402  
<211> 385  
<212> DNA  
<213> Homo sapien

<400> 402  
ccaggccacc tgtgcggggc tctctgatgt ggaaggttcg ggtgaggaga ttgtagaagg 60  
agccgtagca caccggccacc acagtgcacg tgaggcagat cacgttgtag ggcattgctga 120  
agtccggtgt cggcaggttc accagcagcg gctccgtgta gagccgcaca aagtagttag 180  
agccatcaga gactgggaac aggtctgttg agaggggact ctcttcccag tccactggct 240  
tggctgctac catgctgggc acaagggcgc tgaggacaga tgggctgaca tagaagccat 300  
ggttaggata tggcgtgtac tcggctccact tcagcagcgc ccgctcaaac tggatggaaa 360



385

```
<210> 403
<211> 440
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G
```

<400> 403							
ctgtttaacc	agnaaccogg	ggggtcacc	cccacagaat	gtacatgaaa	cactagagga		60
ctgcatgttt	ttccctgaga	gaagcgtaag	acaaacagaa	gtcaaaaagt	agtcactggg		120
agcgccatcc	ttctaagcaa	atcctccctt	tcccttttgg	aggatttgcc	cgaactacgt		180
agccagtcag	cacttagacc	acctgcctcc	tccccccct	ataaacccac	cactcccctc		240
ctcctttccc	aaaccaattg	gggtgtccta	agccctcact	gccccaaagg	caaaatatca		300
gctaagatcc	ttgtcagtat	ttccacagtc	atacctaata	aattgggaag	tggggcccct		360
aaaaaccaat	tcacatctat	gcacttggtt	ccactggatt	tggcagacag	gcttttttag		420
ttaccgtaac	cagatcttaa						440

```
<210> 404
<211> 239
<212> DNA
<213> Homo sapien
```

<400> 404						
cctacgaaaa	actcccggcc	ggtgaagaga	acgtcagtcg	catccagcgt	cgcgttctcg	60
tctcctattt	ccacaattcg	gagccccagg	tcttgcaagg	ctttgcggag	tccatcgacc	120
tctggcattt	gagcggggct	cgagggccgc	gtgattaggg	ccgtgtcccc	ttggatcacg	180
gcgctgtcgc	caagcagcgg	tcccagcgcg	aatgactcct	caggtggcag	ttctagcag	239

```
<210> 405
<211> 261
<212> DNA
<213> Homo sapien
```

<400> 405						
ctggagagggc	agcccttcac	cggatgccca	gctccgtgcc	cctgcggggc	ccagcacagt	60
ttaccttctc	ccccacggc	ggtcccatct	actctgtgag	ctgttcccc	ttccacagga	120
atctcttctc	gagcgctgg	actgacgggc	atgtccacct	gtactccatg	ctgcaggccc	180
ctcccttgac	ttcgctgcg	ctctccctca	agtatctgtt	tgctgtgogc	tggtccccag	240
tgcggccctt	ggtttttgca	g				261

```
<210> 406
<211> 641
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(641)
<223> n = A,T,C or G
```

<400> 406  
 ctgctcccgg gcnttgggtggc agcaagtaga catcgggcct gtgcaggggcc acccccttgg 60  
 gccgggagat ggtctgcttc agtggcgagg gcagggtctgt gtgggtcacg gtgcacgtga 120  
 acctctcccc ggaattccag tcatcctcgc agatgctggc ctacccacag gcgctgaaag 180  
 tggcattggg gtggctctcg gagatgttgg tgtgggtttt cacagcttcg ccattctggc 240  
 ggggtccagga gatgggtcac ctgtcatagg tggtcaggtc tgtgaccagg cagggtcaact 300  
 tgggtggactt ggtgaggaag atgctggcaa aggatggggg gatggcgaag acccggtatg 360  
 ctgtgtcttg atcggggaca cacatggagg acgcattctg ctggaaggte aggcccctgt 420  
 gatccacgcg gcagggtgaac atgctctggc tgagccagtc gctctctttg atggtcagt 480  
 tgctggtcac cttgtaggtc gtggggcccag actctttggc ctgagcctgc acctggtccg 540  
 tggtgacgcc agacccacc tgcttcccct cgcgcagcca ggacacctga atctgccggg 600  
 gactgaaacc cgtggcctgg catatgagct tggacttgcg g 641

<210> 407  
 <211> 173  
 <212> DNA  
 <213> Homo sapien

<400> 407  
 ccagggtactg gcacaatcat gtctggatgg ggggtgggtgt gtcctgtagg cagagaaaca 60  
 ggaaattgtc gtagtcagta tcgagcagcg tggcctcggt cgccaccgta tagttgatct 120  
 tgaacttctt tggattctca gtcttctctc caaggacctt cttctcaaca cag 173

<210> 408  
 <211> 165  
 <212> DNA  
 <213> Homo sapien

<400> 408  
 ccactgtctg cagccatggc agaaagtgtc caaagtccag caccttcaca ttcatctcat 60  
 cactcttggg gttccccagg accttgagca cctcggcgtt ggtagggttc tggcccaggg 120  
 cctcatcac atccccacac tggctgtaca ggaatcttgc atcac 165

<210> 409  
 <211> 329  
 <212> DNA  
 <213> Homo sapien

<400> 409  
 ctgtagcttc tgtgggactt ccactgctca ggcgtcaggc tcagatagct gctggccgcg 60  
 tacttgttgt tgctttgttt ggagggtgtg gtgggtctcca ctcccgctt gaoggggctg 120  
 ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacctat gagacacacc 180  
 agtgtggcct tgttggcttg aagctctca gaggagggcg ggaacagagt gaccgagggg 240  
 gcagccttgg gctgaccaag gacggtcagc ttgggtccctc cgccaaatac cgccggataa 300  
 gcaccactgt tgtctgctga ttgacagaa 329

<210> 410  
 <211> 235  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature

<223> n = A, T, C or G

ccatcagnga	gaaaggtggt	tgtcagttgt	ttcacaaacc	agattgagga	ggacaaactg	60
ctctgccaat	ttctggattt	ctttattttc	agcaaacact	ttctttaaag	cttgactgtg	120
tgggcaactca	tccaagtgat	gaataatcat	caagggtttg	ttgottgtct	tggatttata	180
tagagctttt	tcatatgtct	gagtcacagat	gagttggtca	ccccaacctc	tggag	235

<211> 294

<213> Homo sapien

aattaagggg	agatgaagat	gataaaacag	ttttggatct	tgctgtgggt	ttgtttgaaa	60
cagcaacgct	tcggtcagg	tatcttttac	cagacactaa	agcatatgga	gatagaatag	120
aaagaatgct	tcgcctcagt	ttgaacattg	accctgatgc	aaagggtgga	gaagagcctg	180
aagaagaacc	tgaagagaca	gcagagagca	caacagaaga	cacagagcaa	gacgaagatg	240
aagaatatgga	tgtgggaaca	gatgaagaag	aagaaacagc	aaaggaattc	acag	294

<211> 433

<213> Homo sapien

<221> misc feature

<223> n = A, T, C or G

cctgagaagc	cagaggcagg	tggagagggg	gtggaaagtg	agcagcgggc	tgggctggag	60
ccgcacacgc	tctcctccca	tggttaaata	cacctttaga	aaaattcaca	agtccccatc	120
cacaaaaaaa	aaaanaanaa	aaatttcagg	gantaaaaat	anactttgaa	caaaaaggaa	180
catttgnttg	cctggggggg	catctnantt	tntntagcnc	cagngattcc	ctccccnccc	240
cacccatcac	atanatgtaa	cacctttggt	ntaaaatggg	gagccgtttc	caccntgccc	300
cntccccgc	ccccaggcag	ttgccccggn	gacacntcaa	gacaggancg	aggtagtntt	360
tcancanccg	aggttncacaa	ggaacagaa	agtntctccc	gccagccct	gcggcacaa	420
ggattgacac	qcn					433

<211> 494

<212> DNA

<213> Homo sapien

<221> misc feature

<223> n = A, T, C or G

ccttattttct cttgtcnctt cgtacagggg ggaatttgaa gtagatagaa accgacctgg 60  
attactccgg totgaactca gatcacgtag gacttttaatc gttgaacaaa cgaaccttta 120

```
<210> 414
<211> 294
<212> DNA
<213> Homo sapien
```

```
<210> 415
<211> 421
<212> DNA
<213> Homo sapien
```

```
<210> 416
<211> 342
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(342)  
<223> n = A,T,C or G
```

<210> 417

<211> 389  
 <212> DNA  
 <213> Homo sapien

<400> 417  
 tattaattag gttcttaaga catttagaac accaatttgt gaggataaat tccattcgtc 60  
 agagcaaaca cagatcgcag gtagccctgg agctgaggaa tagctttgat ttttggtaaa 120  
 atttgtgagt ccacagcttt ctgatcaatc ttgcgctgct ccgtaatctc atatttctct 180  
 ttttctgtgt cgaagatctc accttcctgg tgtctgggct tccgcagctt cttcttcttg 240  
 aagtaagcat cagtaagatg ttttgggatt tttacattgc tgatatcgat tttgggtgaa 300  
 gtggcaatga caaatctctg gtgtgttctt cgtagaggaa ctcgattgag gaccagagggt 360  
 ccagtcacaa gtaataagcc actagccag 389

<210> 418  
 <211> 343  
 <212> DNA  
 <213> Homo sapien

<400> 418  
 gtgggaggga gccagggttg gatggaggga gtttacagga agcagacagg gccaacgtcg 60  
 aagccgaatt cctgggtctgg ggcaccaacg tccaaggggg ccacatcgat gatgggcagg 120  
 cgggaggtct tgggtggtttt gtattcaatc actgtcttgc cccagggtcc ggtgtgactc 180  
 gtgcagccat cgacagtgc gctgtagggt aagcggctgt tgccctcggc gcggatctcg 240  
 atctcgttgg agccctggag gagcagggcc ttcttgagggt tgccagtctg ctggtccatg 300  
 taggccacgc tgtttttgca gtggtagggt atgttctggg agg 343

<210> 419  
 <211> 255  
 <212> DNA  
 <213> Homo sapien

<400> 419  
 cctagcaaga gaatcaccaa atttatggag agttaacagg ggtttaacag gaaggaagtg 60  
 ccttttagtaa gttctcaagc cagaggctgg aggcagcagc taaatcagag gacagcatcc 120  
 tcagtgaag tgagccattc ggggtggcat gtactccag gaataaacac aacttagaaa 180  
 caaatgattt cgtaggatag cacagtgcac tgggtgactg tgaacctgag gccactgtgt 240  
 caaactgtgc actgg 255

<210> 420  
 <211> 261  
 <212> DNA  
 <213> Homo sapien

<400> 420  
 cttctgatga taaccaaccc ctagctacca ctctgtattc atcaggggag gggataaac 60  
 cccacatgca agaagaaccc ttgccccag tgtcaaatgg gatggggatg ctagagttat 120  
 agtaaagggg aaaccctatg taagctgtta acagagttca caggggtagg gataaccct 180  
 gttctccagc tcccaaatgt gctcactttc ccagcttctt catccgttca tcaatgctgg 240  
 caaagttccc ctcaactgtg g 261

<210> 421  
 <211> 179  
 <212> DNA  
 <213> Homo sapien

<400> 421  
 ccttcctgtt gttgtttcaa atgctgcttg atttctcgta acagatctgc atctatgtaa 60  
 tacctttctt cagatctgac tgctccaaaa tgattctgca tcctgatttg agacatcaat 120  
 tcatttagtc ggcccttgaa ctgagtaggt gcatttagtt caccctgaat cgtatccag 179

<210> 422  
 <211> 424  
 <212> DNA  
 <213> Homo sapien

<400> 422  
 cgaggtccaa atctgatctg cagatgcaga agattcgaca gaagctgcag actaaacagg 60  
 ctgccatgga gaggtctgga aaagctaagc aactgcgagc acttaggaaa tacgggaaga 120  
 aggtgcaaac ggaggttctt cagaagaggc agcaggagaa agcccatatg atgaatgcta 180  
 ttaagaaata tcagaaaggc ttctctgata aactggattt ccttgaggga gatcagaaac 240  
 ctctggcaca gcacaagaag gcaggagcca aaggccagca gatgagggaag gggcccagtg 300  
 ctaaacgacg gtataaaaaac cagaagtttg gttttggtgg aaagaagaaa ggctcaaagt 360  
 ggaacactcg ggagagctat gatgatgtat ctagcttccg ggccaagaca gctcatggca 420  
 gagg 424

<210> 423  
 <211> 256  
 <212> DNA  
 <213> Homo sapien

<400> 423  
 ctgtggccta gggctacctc aagactcacc tcatocttac cgcacattta aggcgccatt 60  
 gcttttggga gactggaaaa gggaaggtga ctgaaggctg tcaggattct tcaaggagaa 120  
 tgaatactgg gaatcaagac aagactatac cttatccata ggcgcaggtg cacaggggga 180  
 ggccataaag atcaaacatg catggatggg tcctcacgca gacacaccca cagaaggaca 240  
 ctagectgtg cacgcg 256

<210> 424  
 <211> 330  
 <212> DNA  
 <213> Homo sapien

<400> 424  
 ccagccgcat gggagtggag gcagtcacg ccttgctaga ggccaccccg gacaccccag 60  
 cttgcgtcgt gtcactgaac gggaaccacg ccgtgcgcct gccgctgatg gagtgcgtgc 120  
 agatgactca ggatgtgcag aaggcgatgg acgagaggag atttcaagat gcggttcgac 180  
 tccgagggag gagctttgag ggcaacctga acacctacaa gcgacttgcc atcaagctgc 240  
 cggatgatca gatcccaaag accaattgca acgtagctgt catcaacgtg ggggcacccg 300  
 cggctgggat gaacgcggcc gtacgctcag 330

<210> 425  
 <211> 333  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(333)

<223> n = A,T,C or G

<400> 425

```
ctgctccatg gntctaaagt cagcaccacc cacacccaca atgatcactg acatgggcag      60
gttcgaggca cgcaccacag cctcacgtgt ggcttcacac tccgtcacag caccatcagt      120
cagnagaaac agnatgaagt attgngaggc antcccctga tgtgcagcct gggctgcaaa      180
cctggacctg cccgggcggc cgctcgaaaag ggcgaattcc agcacactgg cggccgttac      240
tagnggatnc agantcgggt acnaagcttg gcagtaatca tgggtcatagc tgtttcctgt      300
gagcggntgg gatgaacgcg gccgtacgct cat                                     333
```

<210> 426

<211> 411

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(411)

<223> n = A,T,C or G

<400> 426

```
gggtgttcat catgaggatt gcttctgcc a tggagctgat ggacgtgggc aggttgctga      60
gaaggtgggg tggaaagtga tgccgggggt gggtagtggc cctggctctg ttcatagggg      120
agcctttccc tagcagtgga acgctgtggt cattttctct agcatattcc cttgggaagt      180
ctagatttgc tattaatctg gctgagaatc taagtctctg gccttagaga cagtttgcac      240
tttcccatat tgtgcctggg acagccatat gatttttttt ccacccaaac aagtatgcaa      300
acagaaacca gttcaaaggg ggatgggtga aaagatgagg cagtanaaat gcctttgaat      360
ggttttctgt agctaattct ctttaaattt tgtcctgctt tttttcttta t                                     411
```

<210> 427

<211> 450

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(450)

<223> n = A,T,C or G

<400> 427

```
acgtgtacaa gtttgaactg gatacctctg aaagaaagat tgaatttgac tctgcctctg      60
gcacctaac tctctactta atcattggag atgccacttt gaagaacca atcctctgga      120
atgtggctga tgtggnatc aagttccctg aggaagaagc tccctcgact gtcttgccc      180
agaacctttt cactccaaaa caggaaattc agcacctgtt ccgcgagcct gagaagaggc      240
ccccaccgt ggtgtccaat acattcactg cctgatacct ctgcgccgttg cttctgctct      300
tcgtctctgt gatccggtt ggtgccaat tctccaactt cacttttgct cctagcacga      360
ttatatttca cctgggacat gctgctatgc tgggactcat gtatgtctac tggactcaga      420
tcaacatggt ccagaccttg aagtacctgg                                     450
```

<210> 428

<211> 377

<212> DNA

<213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(377)  
 <223> n = A,T,C or G

<400> 428

cagggctata	gtgcgctatg	ttgatctggt	gttcatgcta	agttccgcat	caatatggtg	60
acttcttggg	agtgggggac	caccagggtg	cctaaggagg	ggtgaacctg	cctacgttgg	120
aaatagagct	ggncaaaaact	cctgtgctca	tcagtagtag	aattgcacct	gtgaatagcc	180
nccgccctcc	agcatgggca	acataacaag	accctgcctc	ttaaagataa	aaattggaaa	240
acactngtag	gaaaaaaagg	gtgnttggtc	taaataaatn	tggattgggn	ataaatgacn	300
caaaactatc	atgaatttga	aagcntttct	aattttcttga	aagtctgaaa	aaagttaaan	360
cncaatttta	tctnaaa					377

<210> 429  
 <211> 206  
 <212> DNA  
 <213> Homo sapien

<400> 429

gttgctcctc	caaagaaggt	tggcttcaag	gccgtgtcca	gggaccacg	agcagaggca	60
ctggggggca	agggatctcc	aagggggcaa	gggatcccta	aagggggtag	ctcacagggtg	120
aggggggtta	gggcccctct	aggagcgcc	tgaggccata	cattcaagag	tgtccctggt	180
gaggcccagg	gaagagccag	gactgg				206

<210> 430  
 <211> 473  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(473)  
 <223> n = A,T,C or G

<400> 430

ccttattint	cttgctcttt	cgtacaggga	ggaatttgaa	gtagatagaa	accgacctgg	60
attactccgg	tctgaactca	gatcacgtag	gactttaatc	ggtgaacaaa	cgaaccttta	120
atagcggtcg	caccatcggt	atgtcctgat	ccaacatcga	ggtcgtaaac	cctattgttg	180
atatggactc	tagaatagga	ttgctgtgtt	atccctaggg	taacttggtc	cgttggtcaa	240
gttattggat	caattgagta	tagtagttcg	ctttgactgg	tgaagtctta	gcatgtactg	300
ctcggagggt	gggttctgct	ccgaggtcnc	ccanccgaa	atttttaatg	cagggttggt	360
agtnnaggac	ctgtgggttt	gttaggtact	gggtgcatta	ataaattaaa	gctccatagg	420
gtcttctcgt	cttgctgtgt	tatgccncc	tcttcacggg	cagggtcaatt	tca	473

<210> 431  
 <211> 215  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(215)  
 <223> n = A,T,C or G



<400> 431  
 cctgtatnaa gctanaaaaa gactaccagc ccgggatcac cttcatcgtg gtgcagaaga 60  
 ggaccacac ccggctcttc tgcactgaca agaacgagcg ggttgggaaa agtggaaca 120  
 ttccagcagg cacgactgtg gacacgaaaa tcaccaccc caccgagttc gacttctacc 180  
 tgtgtagtca cgctggcatc caggggacaa gcagg 215

<210> 432  
 <211> 391  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(391)  
 <223> n = A,T,C or G

<400> 432  
 ccagcactgc cacaaacttt ttcagggccca ccaggcgctg cccttcaggg accgggaacc 60  
 tgcccaacttc tatecgcagg atgtagtga gtgcagattc caggtcagcc atgtagatcc 120  
 tggagcgatc tgccaatttc caaacagtgg gagctatctt gttagcagtg gttggtgcaa 180  
 ctgtggtctg ggcagcctcc ctggtgagcc cagagagtct ctgcaggtaa gcggtataga 240  
 aggacctgga ttccatgagc acggggactc gggagacgga gccattccgg aacagcaggt 300  
 agcaagaggg gaagtcggtg acaccaaact ttctcaccac attggcctct gtgttcagca 360  
 ccctgcgcac cgccacncct ttgtgctggg a 391

<210> 433  
 <211> 420  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(420)  
 <223> n = A,T,C or G

<400> 433  
 ctgtagcttc tgtgggaactt ccaactgctca ggcgtcaggc tcagatagct gctggctgcg 60  
 tacttggtgt tgctttgttt ggagggtgtg gtggtctcca ctcccgctt gacggggctg 120  
 ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacttat gagacacacc 180  
 agtgtggcct tggtggcttg aagtcctca gaggagggcg ggaacagagt gaccgagggg 240  
 gcagccttgg gctgacgtag gacggtagt ttggnccctc cgccgaatgc cgcanttcta 300  
 ctgtcccaca cctgacagta atagtcanc ccatcttcgg cttgggctct gctgatggtc 360  
 aggggtggccc gtgntccccg agttggagcc agggaatnc tcagggatcc canaggccn 420

<210> 434  
 <211> 239  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(239)  
 <223> n = A,T,C or G

<400> 434

<211> 415

<213> Homo sapien

<221> misc feature

<223> n = A, T, C or G

<400> 435

<211> 152

<213> Homo sapien

<400> 436

<211> 174

<213> Homo sapien

<400> 437

<211> 485

<213> Homo sapien

<221> misc feature

<222> (1) ... (485)

<223> n = A,T,C or G

<400> 438

```
ccacggccct ctcggccctc tcgctgggag cggagcagcg aacagaatcc atcattcacc    60
gggctctcta ctatgacttg atcagcagcc cagacatcca tggtagctat aaggagctcc    120
ttgacacggg caccgcccc cagaagaacc tcaagagtgc ctcccggatc gtctttgaga    180
agaagctgcg cataaaatcc agctttgtgg cacctctgga aaagtcatat gggaccaggc    240
ccagagtcct gacgggcaac cctcgcttgg acctgcaaga gatcaacaac tgggtgcagg    300
cgcagatgaa agggaagctc gccnggtcca caaaggaaat tcccgatgag atcagcattc    360
tccttctcgg ngtggcgcac ttcaaggggc agngggtaac aaagtttgac tncagaaang    420
acttcctcgg aggatttcta cttggatgaa gagaggaccg tgagggtccc catgatgtcg    480
gacct                                             485
```

<210> 439

<211> 317

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(317)

<223> n = A,T,C or G

<400> 439

```
gggccgtctt cccctccatc gtggggcgcc ccaggcacca gggcagtgat ggtgggcatg    60
ggtcagaagg attcctatgt gggcgacgag gccagagca agagaggcat cctcaccctg    120
aagtaccca tcgagcaogg catcgnaccc aactgggacg acatggagaa aatctggcac    180
cacaccttct acaatgagct gcgtgtggt cccgaggagc accccgtgct gctgaccgag    240
gccccctga accccaaggc caaccgcnag aagatgacct agatcatgtt tgagaccttc    300
agcaccacag ccatgta                                             317
```

<210> 440

<211> 338

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(338)

<223> n = A,T,C or G

<400> 440

```
ccanaaagac ttcccaggga agatgcttgg ctctctgctc caaggtgggc catggtatag    60
ggccctcgaa gggcttgttg ctggggtgat cccagggggc attgctcaaa gtgcacagga    120
ggtggcagca gggtcaggcg agttcctgtt ccagggacat caggaggag ggtagaagcc    180
tagggagtgt gcgaggctgc tgggatgagg gagctcaggg gctaccagct aaccagcctc    240
agctcaatgg tttctccatc cttgggtctg tagtcagcaa taccttgcaa cagtggggtg    300
ttggggtctc ggagaagctg ccagaactcc ctttctcc                                             338
```

<210> 441

<211> 505

<212> DNA

<213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(505)  
 <223> n = A,T,C or G

<400> 441

ccacacagan	tcaccaagcc	acagacttgt	cttcacaag	cacgttctta	tcttagccac	60
gaagtgacca	agccacacgt	actaaagggt	gaactcaaag	atatgtacag	ggtattaaac	120
aaataccaag	gggaacagtt	aacttcaata	caaggtcgaa	atcagcaaca	agttctacaa	180
tccagngctg	atatcagata	caagcttcaa	ggacaatttc	ttttcgaagg	cttattccag	240
tttcgngagg	ctagcatgag	gtgtgtgcat	ttgccagggg	caaatttcta	ttctcaatta	300
acccatgcag	caaatgctac	ncatggtgcn	gagtcogttt	agaagcattt	gcggtggacg	360
atggaggggc	cgcactcgtc	ttactcctgc	ttgctaatac	acnngngctg	gaaggnggac	420
agtgaggcca	cggatggagc	caccnatcca	caccgagtnc	ttgcgctctg	ggggtgcgat	480
natnttgatc	ttcatggtgc	tgggc				505

<210> 442  
 <211> 386  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(386)  
 <223> n = A,T,C or G

<400> 442

cgccagggtga	tacctccgcc	ggtgacccag	gggctctgcg	acacaaggag	tctgcatgtc	60
taagtgtctag	acatgtctcag	ctttgtggat	acgcggactt	tgttgctgct	tgcagtaacc	120
ttatgcctag	caacatgccca	atctttacaa	gaggaaaccg	taagaaaggg	cccagccgga	180
gatagaggac	cacgtggaga	aaggggtcca	ccaggccccc	caggcagaga	tggatgaagat	240
ggtcccacag	gccctcctgg	tccacctggt	cctcctggcc	cccctggtct	cgatgggaac	300
tttgctgctc	agtatgatgg	aaaaggaggg	nggacttggc	cctggaccaa	tgggcttaat	360
gggacctana	ggcccacctg	gtgcag				386

<210> 443  
 <211> 404  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(404)  
 <223> n = A,T,C or G

<400> 443

cctccctctc	agagcttgcc	ccagggactc	tctggccctc	agggttcaat	gtattctgac	60
caaggccaag	ctttcctggg	gtcaggggaa	aatcacactt	tgctaccoga	agctgtatcc	120
cctcagatgc	caggaaggcc	gtgatcatct	gactccaccc	tcctgagaca	cattctctcc	180
ctgactgtcc	tgttctaagt	cagcggagca	ccttaggatg	gaggggtgga	ggcgaggcca	240
ngatgcagcc	tctgtgaaca	ggtgcctgga	ggctgggaaa	tgaccctgag	agggcaggac	300
acagcnaccg	ngggcttaag	gtgagggngg	agagcaagnt	tggcccaactt	tacaattcta	360
gntcagagcc	anccctaacc	atggngggca	tttattcatt	tcgg		404

<210> 444  
 <211> 318  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(318)  
 <223> n = A,T,C or G

<400> 444  
 catgggctat agtgcgctat gttgatctgg tttcatgct aagttccgca tcaatatngc 60  
 gacttcttng gagggggga ccaccangtt gcctaaggag ggggtgaacct gcctacgttg 120  
 gaaatagagc tgggtcaaac tctgtgctc atcagtagta gaattgcacc tgtgaatagc 180  
 caccgcctc cagcntgggc aacatagcaa gacctgcct cttaagataa aaattggaaa 240  
 aactgggtan gaaaaaaagg ctgtttgggc taaanaagtc tggatnnggt ataatgaca 300  
 cnaactatc atgactnt 318

<210> 445  
 <211> 418  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(418)  
 <223> n = A,T,C or G

<400> 445  
 ccagtcacac ctgctcctca ttattgtata aatgagcaga atcaatatgg cggaagccag 60  
 cttcaattgc caatttggtg gcctctaaag ctttactttt aggaacctct gcaggcgcat 120  
 aggtgccaaa tcccaggaca ggcattgaagt gaccatcatt cagcttcaca cactgatatt 180  
 tgaatccat ttctgtcact agcctggctg gcaaatgttt ctttcttcct cctcacagg 240  
 ctataagagc aatgagctgg caacgccccct gagcacactg tctgctgntt aaccaatggc 300  
 atgtgagagg agggacagag gcagtcttac acaagctgtg ataaaaattg catncagttc 360  
 aaccagtttc ttacnttatt ctaatgngna ggaagtgtgn gaagagcaca aagtcaga 418

<210> 446  
 <211> 361  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(361)  
 <223> n = A,T,C or G

<400> 446  
 ctgtccaatn acaacaggac cctcactcta ctgagtgtca caaggaatga tgtaggaccc 60  
 tatgagtgtg gaatccanaa cgaattaant gttgaccaca gcgaccagc catcctgaat 120  
 gtctctctat gccagacga cccacacntt tccccctcat acacctatta ccgtccaggg 180  
 gtgaacctca gcntctcctg ncatgcagcc tctaaccacac ctgcacagta tcttggctg 240  
 attgatggga acntccagna acacnacaca agagctcttt atctccanhn tnactganaa 300  
 gaacagcgcg actctatncc ttccaggggg ggggggtggg gnntgnggac cttncggggc 360

361

<400> 447

```
<210> 448
<211> 325
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(325)  
<223> n = A,T,C or G
```

<400> 448

```
<210> 449
<211> 123
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(123)  
<223> n = A,T,C or G
```

<400> 449

cattaatntt ggaagcgatg gtgtggatta catcagtgtt agggcatggt gtggatatta 60  
ttacattann attggaagcg atgggtgtgga ttacatcagt gatagggcac ggtgtggata 120  
tta 123

<210> 450

<211> 328  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(328)  
 <223> n = A,T,C or G

<400> 450  
 ctggcaattt tgagctgccg gttatacacc aaaatgttct gtccagtacc tagctctgct 60  
 cttttatatt gcttttaaatt tttaaagaaa ttatattgca tggatgtggt tatttgtgca 120  
 tattttttta caatgcccaa tctgtatgaa taatgtaaac ttcgattttt ttttaaaaaa 180  
 attagatttt agctggagct tttgactaat gtaaagtaaa tgccaaacta cgcacttgat 240  
 ngggatgttt ttgtaangtt aatttttctaa gactttttca catccaaagt gatgctttgc 300  
 tttgggtttt aactgtttca acntnggn 328

<210> 451  
 <211> 209  
 <212> DNA  
 <213> Homo sapien

<400> 451  
 ctgccttggt tcaacagaca tgcaaagatc ctaggagaca gtcccatag accttcagac 60  
 attaaaaagg gagccgtaca gtttgtttga agcacttcgt cttacccatt tatgcagggg 120  
 ccccgagaaa cttacacaca gccagaatga ggttcccaaa ggacttacat taattatggc 180  
 tcttgcttcc tttcacaaat gagctgagg 209

<210> 452  
 <211> 457  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(457)  
 <223> n = A,T,C or G

<400> 452  
 ctgtctantc ccttcaagag ctgtttatag aagcttgaga atggggtaaa aattttctgct 60  
 agcaaaatca agttcttttt gaaattttat cagtaatcca gaatttagta gtccatgcct 120  
 tctcactcag catttagaaa taaaaatgtg gtttcttaaa cgtatatcct ttcattgata 180  
 tttccacatt tttgtgcttg gatataagat gtatttcttg tagtgaagtt gttttgtaat 240  
 ctactttgta tacattctaa ttatattatt tttctatgta ttttaaatgn atatggctgt 300  
 ttaatctttg aagcattttg ggcttaagat tgccagcacc acacatcaga tgcagtcatt 360  
 gttgctatca gtgtggaatc tgatagagtc tngactccgg ccacttgag ttgtgnactc 420  
 caaagctaag gacagtgatg aggaagatgg catgtgg 457

<210> 453  
 <211> 277  
 <212> DNA  
 <213> Homo sapien

<400> 453

```
<210> 454
<211> 198
<212> DNA
<213> Homo sapien
```

```
<210> 455
<211> 608
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G
```

```
<210> 456
<211> 467
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G
```

<400> 456  
cctggacctg tgtaaacctt caaacactct tttttacatt aggtcgtgaa gttaaatttt 60  
ttactgtttc tgtgctacag actcttcaaa gggaaatagt taagtcaatt tcaaagaaaa 120  
tgaccagcac atttttaaaa cattagaaat gatttgactt tgactatcta ctgccaaaaa 180



```
<210> 457
<211> 183
<212> DNA
<213> Homo sapien
```

<400> 457						
ttttt	tacttttaaac	actgaaaaca	gaggaagtta	ataaaaattt	taacctataa	60
cctgg	ttgttagtca	ttaacagcag	attgtcagat	aagactggta	aaatgatggc	120
agcat	ttgatgatcc	aggcgcagga	tgatcaaact	gcagcagatc	atgcacgtga	180
						183

```
<210> 458
<211> 445
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(445)
<223> n = A,T,C or G
```

<400> 458						
gaaaaatata	aagccaaaaa	ttggataaaa	tagcactgaa	aaaatgagga	aattattggt	60
aaccaattta	ttttaaaagc	ccatcaattt	aattttctggt	ggtgcagaag	ttagaaggta	120
aagcttgaga	agatgagggt	gtttacgtag	accagaacca	atttagaaga	atacttgaag	180
ctagaagggg	aagtttggtt	aaaatcacat	caaaaagcta	ctaaaaggac	tggtgtaatt	240
taaaaaaaaa	taaggcagaa	ggttttttga	agagttagaa	gaatttgga	ggccttaa	300
atagtagctt	agttttgaaa	atngaaagga	ctttcgtaac	ggaagtaatt	caagatcaag	360
agtaattacc	ancttaatgt	ttttggcntt	ggactntgag	ttaagattat	tttttaaatc	420
ctgaaggacta	ncattaatgg	gacag				445

```
<210> 459
<211> 426
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(426)
<223> n = A,T,C or G
```

<400> 459  
cctatgatan cttctctagc tatcatactc caatcagcaa aaaatgagaa aatgttgaga 60

```

aatagaagat aattcctcat ttaaggccac cttctagaat ttgtgcttaa gattctgctt 120
tcttctcatg ggccagcact tcggcaactg gcaaaaatta ggtgtacagg gatctaggta 180
atactgttta tttagacaat aatatattgt gctaacgttc aggcataccta ttactgagaa 240
ataagggaaa atgagtgtaa agtacaacta agagtctcgg cgacagggaa aaataccatc 300
agttaaatat ccatagtcct agagcattta tgtaaaactg caatntgaat cctgcaatac 360
atnttgctt tttccctcag tgataccatg tgagggaagn ngctctgtca aggcggggccg 420
gataga 426

```

```

<210> 460
<211> 348
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(348)
<223> n = A,T,C or G

```

```

<400> 460
ccaaatttta aaatgttatt tttcatatca tttataacct tgtcacaatc cacttaaaga 60
agtttggtta tatttctactg aaaattttct tccagagtag gtttttttct gtgggttggg 120
gggtaacttt actacaatta gtaagtntgg tgcagaatct catgcaaagt aggagtgcag 180
cagngtgata atttaaacat atntaaacaa aaacaaaaaa aatgaatgca caaacttgct 240
gctgcttaga tcaactgcagc ttctaggacc cggtttcttt tactgatnta aaancaaaa 300
aaaaaaanta annacnttgt gcctgaaatg aancttggtt tttntna 348

```

```

<210> 461
<211> 378
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

```

```

<400> 461
ccactaagac agaacggaat ctagtagaag tgcaccaatg cttcagtcct tctactcag 60
catgggtgagc agtgggtcaat ctgtgccctg tggaaatgat ggcagataat tctggcatgt 120
gtaaaataata ataaataatt cacttggtgc aggcagtatg tctatgaatt aaaacctagt 180
gtgtacacag tgcctacatg tggttacagcc ccacagtagg aatctacacc aaaatattta 240
ttagaaggaa tttgggtcgt actacatcac gctttccgga gggtaaaaaa taaagtccat 300
ctatagacat ttcaccacag acccagagac tgagtctggc taaaacctgc aaaatgtcta 360
taacaaaagn ggatggct 378

```

```

<210> 462
<211> 197
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(197)
<223> n = A,T,C or G

```

<400> 462  
 gcgaggtcca cactattaaa agctgttggg taattgaagg tgatataaaa tgactgtcnt 60  
 catttggagt gngcagcaca nttacttcat gttgtcang tttanaacaa tntcccctgn 120  
 aagttctcac acagatnggn agaaatcata cctantntng gtnaatcact atggcagccg 180  
 tngaagaatn taagaga 197

<210> 463  
 <211> 279  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(279)  
 <223> n = A,T,C or G

<400> 463  
 cataagtgat gangaggnaa aatcantnaa taagcctaca acntagaata cattaaaact 60  
 tgcacatata catgttcaca gcatgtatac aatgataatc cctacggttt aaccaagtta 120  
 tggttccctt ctacagcaga cacaaaacca aggtgaacta ggtnggcaga tgtanaggga 180  
 ataccaaaaa aagggtaatn ngntcactga ttctgaagna tntgactgan catactgagc 240  
 ttctgnactt tgggaatgca tnnaggnaac aatatcttg 279

<210> 464  
 <211> 552  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(552)  
 <223> n = A,T,C or G

<400> 464  
 gatgggttga taggtgcagc aaaccacccct ggcgcatgtt taccaatgta acaaacctgc 60  
 acatcctgca caggtactcc aaaactaaaa gtaaaaaaat ctaaaagaaa aaagaaaaag 120  
 aattaaacc aaatcactt ccccatctgg acttgattta gatgaaaagc ttctggactt 180  
 tgagctgatg ctatagtggg ttgaaaattt tggggtcctc agaaggggat gaggatata 240  
 tgcagagag agcaacatga atcatngaga gccagagtat agagagnggt gggtagactg 300  
 taggagagcc ctcaatgatc ccggctgtct tgtattcgcg ttgcacttac ttgtataata 360  
 tggcagatgg gatgtgatgt cactttcaag attangttat aaatagacta tggcttcaat 420  
 cagaggggtt tcttctctgt ctanctctct tttgggtagn ttcatcttga gagaaagcca 480  
 nacctcngcc gcnaccacg ctaaggggag anttccagcn cactggcgcc cngttactag 540  
 tggatccgng ct 552

<210> 465  
 <211> 444  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(444)

<400> 465

<210> 466

<211> 381

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$ 

<221> misc feature

<222> (1) ... (381)

<223> n = A, T, C or G

<400> 466

cctaactatgg	gtgttaattt	tttactctct	ctacaagggt	ttttcctagt	gtccaaagag	60
ctgttcctct	ttggactaac	agttaaattt	acaaggggat	ttagaggggt	ctgtgggcaa	120
atttaaagtt	gaactaagat	tctatcttgg	acaaccagct	atcaccaggc	tcggtaggtt	180
tgtcgctct	acctataaat	cttcccacta	ttttgctaca	tagacgggtg	tgctctttta	240
gctgttctta	ggtagctcgt	ctggnttcgg	gggtcttagc	tttggtcttc	cttgcaaagt	300
tatttctagt	taattcatta	tgcannaggt	ataggggnta	gtccttgcta	tattatgctt	360
ggttataaatt	tttcatcttt	c				381

<210> 467

<211> 95

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$ 

<221> misc feature

<222> (1) ... (95)

<223> n = A, T, C or G

<400> 467

cctatanatt ntggnttgta tactgggtcc tgaaaaccct cttgngctc tgtttttaag 60  
gagctgaanc caaagancgc caataataat acttt 95

<210> 468

<211> 224

<212> DNA

<213> Homo sapien

<400> 468

cagtgggtct	ctgatgcctt	gctctgcagca	gaaggaggga	gcagagatca	agaggaagga	60
aaaaatcata	tgtacttatt	tgaaggtaaa	gattattcta	aagagccag	taaggaagac	120
agaaaatcat	ttgaacaact	gtaaacctt	caqaaaaccc	ttttggaqaa	agctaqtcaa	180

gagggccgat cactccgaaa taaaggcagt gttctcatcc cagg

224

<210> 469

<211> 416

<212> DNA

<213> Homo sapien

<400> 469

ctgagttcta	gttcaaaagc	tttatcctta	acttcgcat	gtactatgta	aattctagaa	60
tagaaaagg	aaaggtaaga	ttttggtaac	ctccaaacat	tgaagtagtt	cacagaccca	120
aagtcagtac	aaattagaat	gtccatccat	aataaaagta	tctataaaat	tacacagaca	180
cattctacat	agtatttaac	attagagaag	acaaattaca	cagggactga	aataaaatga	240
aacatctact	ctcccagaca	atggtgaata	tacctaata	acccaagtgc	agtttatttt	300
tgcacattgc	tttagagata	taacttggct	gggcacagtg	gtcacacct	gtaatcccaa	360
cactttggga	gaccaaggcg	gatggatcac	ttgaggtcag	ttcgagacta	gcctgg	416

<210> 470

<211> 376

<212> DNA

<213> Homo sapien

<400> 470

cacottttta	ctgtatcaca	aagtctgttg	ctgtggttac	agcctttgtt	tccagtgatg	60
ttttgtccat	gctttccccc	aacccttaac	aatggttact	caaaagaatg	aaataatgag	120
tcattcattc	gggaatatgt	taaaatatcc	ctctttatca	ttacatttca	ctgcttagaa	180
actaggctgt	aattcaaggc	aacagttaag	tctgagaact	gttaaaaaaa	tctttgattt	240
tttttcattt	ttaagaaaaa	cctgcctatt	taattgttca	gacttgtaag	aggttcttca	300
attacatcct	ttttggttaa	tgtattattt	ctggaacaag	tagataaaat	tctacgcagt	360
aagcataata	aaaatc					376

<210> 471

<211> 357

<212> DNA

<213> Homo sapien

<400> 471

ggcttcgtat	aatggttctt	ttgtcacccc	tgatcgacga	tttcgctacc	cgtacaacto	60
tgacaaggga	acgaaatgct	tctgtgtatt	cacctagtgg	tctgtgtaac	agaagaacaa	120
caactccacc	ggatagtgga	gtactgtttg	aagggttagg	catttcaaca	agacctagag	180
atgttgaaat	tcctcagttt	atgagacaga	ttgcagtaag	gaggccaact	acggcagatg	240
aaagatcttt	gcggaaaatt	caagaacaag	atattattaa	ttttagacga	actctttacc	300
gtgctggtgc	tcgagttaga	aatattgaag	atggtggccg	ctacagggat	atttcag	357

<210> 472

<211> 557

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(557)

<223> n = A,T,C or G

<400> 472

```

cngagatgac atttacaatc tcttgaaang cagcagatgg cactctgggtg cttcctatga      60
agcaacatgc ttgaaatcaa gggccaacaa ttgttgtagg aaagcaaaat atacctctaa      120
cacctacgtt taccaaaaaa gctgacatct caaactctga gttgttgaga ctcaaatttc      180
tcatccccaa agaagcctat taaggtagtg tgnatggatgc tttttgtatc tctgataggc      240
aggcactata atggggggaa atacttctga ataaaaacat tggctgtcct gcaactgtgc      300
atataatgtc tattcaaggg ggcagtgtgc ctagcatgat cctgaaatgt tgagataaaa      360
ggaagtgggc attaaagcac tatttgtctt atatgaaaag agtgactcta tcttccagta      420
aacaagantt cctgcaatga aaaagaaatt ttttccttca ttatctataa actatacaaa      480
ataaccttcc tttttaacct aagactcaaa cattnatatt tgattttatt ctatttgata      540
ccaattggta tgtccag                                     557

```

```

<210> 473
<211> 264
<212> DNA
<213> Homo sapien

```

```

<400> 473
cctccatcaa cagaaaggat aaagaccctc tcgggtctcc tcattaattc tgaactggaa      60
aagccccaga aagtcgggaa agacaaggaa ggaacacctc caottacaaa agaagataag      120
acagttgtca gacaaagccc tcgaaggatt aagccagtta ggattattcc ttcttcaaaa      180
aggacagatg caaccattgc taagcaactc ttacagaggg caaaaaaggg ggctcaaaag      240
aaaattgaaa aagaagcagc tcag                                     264

```

```

<210> 474
<211> 165
<212> DNA
<213> Homo sapien

```

```

<400> 474
aattcagctt ccagaggccc ttattagtcc ttgttgacag aaacatagat ttggcaactc      60
ctttacatca tacttggaac tatcaagcat tgggtgcacga tgtaactggat ttccatttaa      120
acagggttaa tttggaagaa tcttcaggag tggaaaaactc tccag                                     165

```

```

<210> 475
<211> 417
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(417)
<223> n = A,T,C or G

```

```

<400> 475
aagttctctt cttgttttaa acacattcct gataacttct aaagatgacc aaaataaaac      60
agaatatcta cagagatcat tttctgaatt tttgtacat ccaaggataa caacataaaa      120
aaaataaaac tggacagcat tccacatcca agtgcacaga accatttttg caagattaaa      180
taatgtaaac attgggaaca gccaaatcag cgaagaatgc caacacctca aaacacctgg      240
tgttgccgct tcattaagtg gttcaaaatc cagatctata attgcgcaat attcaccgta      300
tataaaaaga aatggatatt aattttgaca aatagctgca actgagactt ctttttattt      360
ctttatatgn gnatatagtg aatttttatt atttttaaaa ttttatttat tttttta      417

```

```

<210> 476
<211> 321

```

```
<220>  
<221> misc_feature  
<222> (1)...(321)  
<223> n = A,T,C or G
```

```
<210> 477
<211> 546
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(546)
<223> n = A,T,C or G
```

```
<210> 478
<211> 100
<212> DNA
<213> Homo sapien
```

```
<210> 479
<211> 508
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc feature
```

<222> (1)...(508)  
 <223> n = A,T,C or G

<400> 479  
 gnnttccaaa ttcttctaac tttccaaaa gccttctgcc ttagtTTTTT tttaaattaca 60  
 ccagtccttt tagtagcttt ttgatgtgat ttttaaccaa ctcccccttc tagcttcaag 120  
 tattcttcta aattggctct ggtctacgta aacacctca tttctcaag ctttaccttc 180  
 taacttctgc accaccagaa attaaattga tgggctttta aaataaattg gttaccaata 240  
 atttcctcat tttttcagt ctattttatc caatttttgg ctttatattt ttctatcttc 300  
 tatacttctc caatacttgt cttagcttgt ttttcatttt ctatctgaaa ctcttgacaa 360  
 tatcttctaa tttccctatc ttctctatcc ttttcttcgc ctccccgtac ttctgcttcc 420  
 agntttccac ttcaaaactc tatcttctcc aaattgttca tcctaccact cccaataatc 480  
 tttccatttt cgtgtagcac ctggncag 508

<210> 480  
 <211> 81  
 <212> DNA  
 <213> Homo sapien

<400> 480  
 ggtgcccttt tcctaact cacaacaaaa ctaactaata ctaacatctc agacgctcag 60  
 gaaatagata aggaaaatga c 81

<210> 481  
 <211> 306  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(306)  
 <223> n = A,T,C or G

<400> 481  
 tcgccttcgg ccgcgggca ggttaggggn acaagacgct acttccccta tcatagaaga 60  
 gcttatcacc ttcatgatc acgcctcat agtcattttc cttatctgct tcctagtctt 120  
 gtatgccctt ttctaacac tcacaacaaa actaactaat actaacatct cagacgctca 180  
 gggaatagaa accgtctgaa ctatcctgcc cgccatcatc ctagtctctc tcgccctccc 240  
 atccctacgc atcctttaca taacagacga ggtcaacgat ccctccctta ccatcaaate 300  
 aattgg 306

<210> 482  
 <211> 582  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(582)  
 <223> n = A,T,C or G

<400> 482  
 ggggggaaca gtcattatac attatattaga ctcatctctt cttccagtgc ccttatgatt 60  
 atttcctacc ttaccattg atcttaaaact gngcaggcta aaaagaggaa ccagaactcc 120

T.O.E.S.O. 0205480



```

cttaagcact tttaagacta tttaaaaaat aaagntttgt tggcattgaa gagtaagctg 180
cttaagggac tgaatgaaaa gatagtaccc tttgtggctg tatgaagaga gaaactgaat 240
ttctatccaa gagaccttaa tntagcctat tagggaatta tcttcccaa aagtacaagt 300
aatTTtgac tgcaggagaa ggataagtag atttgattta catcacattt tatacacacc 360
tttcaagang gagaaatctg cttcataaat agnaggaatc tatgcttaaa ctnaacattt 420
aatggtgaac tcttacaaca gccttgaaaa nnattggaan tcnacntga nggnggaaac 480
tggaanaaag aatatctttc tcttctgcat cctttnatcc tcaaacttag catggattca 540
cacgtgagg aaangttngg tnacnaccng aacatttaga ta 582

```

```

<210> 483
<211> 275
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G

```

```

<400> 483
gcctcactaa aataacagat ttcagtatag ccaagttcat cagaaagacc caaatggaat 60
gatttacaaa atagaacact ttaaaccagg tcagtcctat ctttttgtag ctgaaggcta 120
tcagtcataa cacaatttcg cgtacacctc tgctcattat ggaattacac ttaaaacgaa 180
tctcaagagg gtgaccattg ttgtttcaga taccatccct aaggagagtg gttaacagga 240
agattgccag ngttactgat ggaaagaagc gcttg 275

```

```

<210> 484
<211> 434
<212> DNA
<213> Homo sapien

```

```

<400> 484
catatttcca caggccaatt tctttctgtt tttctgctaa gctatttcag catttttagct 60
tttctctttt gctttgttta ctcatgattg ccagatggct acgttacctc taagcatcag 120
atcctcacia attaatggtt aaatgtaagg gagggatttt actctcttgc attaaaaaaa 180
agcttttatt agatataatt tactgtaaca ttgactcatt taaagtatgc tagtcaatag 240
accaaattct gaataaaact ccattcacia ttgctacaaa gggaataaaa tagctgggaa 300
tatagctaac aagggaagtg aagggcctct tcaaggagaa ctacaaacca ctgctcaaga 360
aataagagag gatacaaaac aatggaaaaa cattccatgc tcatgaatag gaagaatcaa 420
tatcgtgaaa atgg 434

```

```

<210> 485
<211> 291
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

```

```

<400> 485
ncaccactgc agccctacat acagttgaaa aaaaattcca ttctgttaac atttgtttta 60
taagttttca cgcaatacac aaaaaacccc tctgcacttc ttgtaaagaa caaaaaagat 120

```



<223> n = A,T,C or G

<400> 489

```
gtgcttatgt acttaagggg aactactcta actgggtgaa gagtangatg aagcatccat    60
gtccctacaa aggatatgaa ctcatccttt tttatggctg catagtattc catgggtgat    120
atatgccaca ttttcttaat ccagtcctatc atcgatggat atttgggttg gttccaagtc    180
tttgctattg tgaatagtggt cgcaatgaac atacatgtgc atgtgtcttt atagcagcat    240
gatttataat cctttgggta tatacccagn aatgggatag ctgggtcaaa tggtatctct    300
agttctagat ccttggtgaa ttgccacact gtcttcacac atggttgaac tagtttacag    360
tcccaccaac agtgtaaaag tggctctatt tctccacatc atctccagca cctgttggtt    420
cctgactttt taatgattgn cattccaact ggtgtgagat ggtatatcac cgtgggtttg    480
atttgcattt ccctgatggc cagtgatgat gaacnttttt tcatgtgggt tttggctgca    540
taaatggcct gccttttnta cttctataaa atttttcann tcttattatt attcctgggg    600
gnttaag                                         607
```

<210> 490

<211> 179

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(179)

<223> n = A,T,C or G

<400> 490

```
cttctaggaa tactagtata tcgctcacac ctcatatcct ccctactatg cctagaagga    60
ataatactat cactgntcat tatagctact cccataaccc tnaacaccca ctccctctta    120
gccaatattg ngcctattgc catactagtc tttgcgcct gcgaagcanc ggtaggacc    179
```

<210> 491

<211> 399

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(399)

<223> n = A,T,C or G

<400> 491

```
cctctacctg taatcacatt aatttttcta aagacagggg nggtgttttg aagataaatg    60
tcattagtct atgataatag catcatagga caattagcca ttttagactt gaccatattt    120
tctcttttta gcatatagcc atcttgatat ttagngggga gactactcca atggagcaac    180
agtttcattt tacatgattg gatttagaaa ttacaaatt ttaaactcat aagaattcta    240
aataatttga aaatggaac atttgaccca cagtctagca gcataaatac atttataaaa    300
tacttcattg ttgatcttag gtcattgatt taaaacagaa tttggtgact atgggcaggt    360
ggagggggcc ngtgaggaag gtataaaaaga gaaatcttt                                         399
```

<210> 492

<211> 482

<212> DNA

<213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(482)  
 <223> n = A,T,C or G

<400> 492  
 ctccacctta ctaccagaca gccttagcca aaccatttnc ccaaataaag tataggcgat 60  
 agaaattgaa acctggcgca atagatatag taccgcaagg gaaagatgaa aaattataac 120  
 caagcataat atagcaagga ctaaccacct taccttctgc ataatgaatt aactagaaat 180  
 aactttgcaa ggggagccaa agctaagacc cccgaaacca gacgagctac ctaagaacag 240  
 ctaaaagagc acaccogtct atgtagcaaa atagtgggaa gatttatagg tagaggcgac 300  
 aaacctaccg agcctggtga tagctgggtg tccaagatag aatcttagtt caactttaaa 360  
 ttgcccaca gaacctctta aatccctctg taaatttaac tgtagtcca aagaggaaca 420  
 gctctttgga cactaggaaa aaaccttgta gagagagtaa aaaatttaac acccatagta 480  
 gg 482

<210> 493  
 <211> 207  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(207)  
 <223> n = A,T,C or G

<400> 493  
 cataaatatt atactagcat ttaccatctc acttngngga atgctagtat atcgctcaca 60  
 cctcatatcc tccctactat gcctagaagg aataatacta tcactgttca ttatagctac 120  
 tctcataacc ctcaacacc actccctctt agccaatatt gtgcctattg ccatactagt 180  
 ctttgccgcc tgcgaagcag cggtagg 207

<210> 494  
 <211> 283  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(283)  
 <223> n = A,T,C or G

<400> 494  
 ccaattgatt tgatggtaag ggagggatcg ttgacctngt ctgttatgta aaggatgcgt 60  
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120  
 atttctgag cgtctgagat gtagtatta gttagttttg ttgtgagtgt taggaaaagg 180  
 gcatacagga ctaggaagca gataaggaaa atgactatga gggcggtgatc atgaaagggtg 240  
 ataagctctt ctatgatagg ggaagtagcg tctttagtagc cta 283

<210> 495  
 <211> 590  
 <212> DNA  
 <213> Homo sapien

<400> 495

<210> 496

<212> DNA

<213> Homo sapien

$\langle 220 \rangle$

<221> misc feature

$\langle 222 \rangle$  (1) ... (307)

<223> n = A, T, C or G

<400> 496

ggagattagt	atagagaggn	anaenttttt	tcgngatatt	tggtcacatg	gataagtggc	60
gctggccttg	catgattgtg	aggggtagga	gccaggtagt	tagtattagg	aggggggnng	120
ttaggggggtc	tgaggagaag	gttggggaac	agctnaatag	gttggtngnt	gatttgnta	180
aaaaacanta	gggggatgat	nctaataaatt	antgctgtgg	gtgggttgtg	tgattcaaatt	240
tatngctctt	ttcggagann	catgtcangt	ggtagtaaat	ataattgttg	ggaccattan	300
ttcttan						307

<210> 497

<211> 216

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$ 

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (216)$ 

<223> n = A, T, C or G

<400> 497

cattttctct	ttggtttctt	cagttaagtc	aaahngnac	gttcctcttt	cccatatat	60
tcatatattt	ttgctcgta	gtgtatttct	tgagctgttt	tcatgttggt	tatttctctgt	120
ctngaaatg	gtgttttttt	ttgttggtgn	tggttttttt	tttttttttt	aaactnggna	180
ccncnaantt	gaaaaaatgn	ttntttttcc	ctnaca			216

<210> 498

<211> 375

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(375)

<223> n = A,T,C or G

<400> 498

gaatttcctg	gcaccttttc	tcgctagaga	agattnngtg	tgactgggtt	gcctataagc	60
catatagata	caaactttta	tctctaatac	caagtcttag	agggatatat	taatagatct	120
aataaaattta	ttcttagact	tattgtttca	tgggntagtg	agtctttgct	actggagaca	180
atacagactt	gtcagttttt	ttaaaaaaaa	aaaatttgcc	aagctancac	attaaaaana	240
tntcctaagg	ctntcatttt	atgaggatga	ttataaacnt	ttntgngata	aatatcacca	300
taataaaactg	ttaagtacaa	ctgcnggccn	cccttanagn	gaattcctnc	agttanaaat	360
ttattttttt	gccaa					375

<210> 499

<211> 215

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(215)

<223> n = A,T,C or G

<400> 499

ccacnaaagc	agaagcttaa	agcatagtag	taaagagggn	aaaaagaagg	acgaaaataa	60
atcagatgac	aaggatggta	aagaagttga	cagtagtcat	gaaaaggcca	gaggtaatag	120
ttcactcatg	gaaaagaaat	taagtagaag	gttggtcgaa	aatcggagag	gaagcttgct	180
acaaaaaaaa	aaaaaaaaaa	aaaaaaaaat	gtttt			215

<210> 500

<211> 489

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(489)

<223> n = A,T,C or G

<400> 500

ccactacgat	aagcaggtag	ctgggttttg	tagtgagntt	gctccttaag	ttacaggaac	60
tctccttata	atagacactt	cattttccta	gtccatccct	catgaaaaat	gactgaccac	120
tgctgggcag	caggagggat	gatgaccaac	taattcccaa	accccagctc	catttggtacc	180
agccttgggg	aaccacctac	acttgagcca	caattggttt	tgaagtgcac	ttacaaggnt	240
tgtctacttt	cagttcttta	ctttttacat	gctgacacat	acatacactg	cctaaataga	300
tctctttcag	aaacaatcct	cagataacgc	atagcaaaat	ggagatggag	acatgatttc	360
tcatgcaaca	gcttctctaa	ttatacctta	gaaatgttct	cctttttatc	atcaaactcg	420
ctcaagaagg	gctttttata	gtagaataat	atcagtggat	gaaaacagct	taacatttta	480
ccatgctta						489

<210> 501

<211> 286  
 <212> DNA  
 <213> Homo sapien

<400> 501

aaaaacactc aaacacagcc ttggagggag gagtcagttt taaaagactc ttataaaagt	60
aatatactgc tagctctgaa gaatcggagg ctaaaatcat ctcttcaagt cccagggaa	120
tcccaaagaa ctccagggga aggtgggatg ggccagagag ctctggaagc ttccaggtct	180
gttgcaagcc tcacctggtg cacagtaggc tcttcaggt ctgtcaggaa cccaggagcc	240
tcccctagca cacagtaggc tcacaaaaag ggagcactgc tgctgg	286

<210> 502  
 <211> 168  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(168)  
 <223> n = A,T,C or G

<400> 502

cctatgattg tgggggcaat gaatgaagcg aacagagntt cgttcatttt ggttctcaga	60
gtttgttata attttttatt tttatgggct ttggtgaggg aggtaagtgg tagtttgtgt	120
ttaatatattt tagttgggtg atgaggaata gtgtaaggag tatggggg	168

<210> 503  
 <211> 173  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(173)  
 <223> n = A,T,C or G

<400> 503

cctttataat aaattaggca aaaggttcag tgcnnngcta tantggacaa catgaaactc	60
cataaaaaatg actggatagg gggactgctt gagacttttc ttttgggcat tactaacaga	120
attcaaagaa attccaacca cgcttatttt tocaaattct actgaaatga gag	173

<210> 504  
 <211> 310  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(310)  
 <223> n = A,T,C or G

<400> 504

tagtattcta tttaaaaatt aagttttggg gtctgtaaaa tatacaggac aatgactttt	60
ttaaaaatgta agttaatacc tcctctcac ttgtcttaat tgaacttagg tgtttattct	120

```

taaaggngga ccttgatgaa aatgttgaga tgggaagtgt tattaggcaa aacttgttat 180
agattttctca tataactctt aattgacct tagaatttta acaaccgcgc ctggcccaat 240
agactgtttt ttagagtant tttaggtctt cancaaaatt gaggggaaaa tacagggtgt 300
tcccattaa 310

```

```

<210> 505
<211> 530
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G

```

```

<400> 505
cctcagggaa cttacaatta tggcaaaagg ggaaggggaa gcaagcacct tottcacaag 60
gcatcaggag agagagagaa agagagtagg ggaaactacc ccttttaaac catcatatcc 120
tgtgagaact ccctcagtat tagaagagca tgagggaaac cgcctccata atccaatcac 180
ctcccaccag gaccatccct caatacatgg gggttacaat tcaagatgag gttcgggtgg 240
ggatacagat ttaaaccata tcagaatggg taatgatatt gttgtatttt accaactata 300
atcttcttag tgttatagta caataatgta aaaaattgag taaatttggt ttctatatta 360
ttctgttttt ggaaaacatg tatatagtca gggctgtttg tctcaagaaa atatggtaaa 420
ctctgctgtt ttggtcactg gtgcctagaa tttggggatg tacattgggt ttgattcaca 480
tgcacatttc cttctagttc acagtaacta tttctaacta tttcccnata 530

```

```

<210> 506
<211> 352
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(352)
<223> n = A,T,C or G

```

```

<400> 506
cttgaacgct ttcttaattg gtggctgctt ttaggcggta ctatgggtgn taaatTTTTT 60
actctctcta caaggTTTTT tctagtgctc caaagagctg ttctcttttg gactaacagt 120
taaatttaca aggggattta gagggttctg tgggcaaatt taaagttgaa ctaanattct 180
atcttggaac accagctatc accaggctcg gtaggtttgt cgcctctacc tataaatctt 240
cccactatTT tgctacatag acgggtgtgc tcttttagct gttcttaggt agctcgtctg 300
gtttcggggg tcttagcttt ggctctcctt gcaaanntat ttctagttaa tt 352

```

```

<210> 507
<211> 370
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(370)
<223> n = A,T,C or G

```



<400> 507  
 cctaactaga tcttatcaga atagggggga agggngtcgg ttcataccta ttgagtgtta 60  
 atgaccctgt aagatgtaat ttcttttatt tcattctgtt acctagaaaa tctatcacag 120  
 ccttgtagta ttgattgctc aatctataaa gagctcagtt tacagcatga ctgttagtaa 180  
 cagggntatt ttaatgagtg actcttcaac acctcagagt ttactaaat tccaacccat 240  
 cagcccagta gtctaacatt aagggtctta ggaaatgaga acttatcacc tttccttatt 300  
 atgaaaaggt aacctccagg taaccaaaaa tagaacttcc tctgtgttcg ttttttatag 360  
 aaattactgg 370

<210> 508  
 <211> 129  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(129)  
 <223> n = A,T,C or G

<400> 508  
 ctgttaaaag aacaaactta gcaatatata acagttnggt aacaggattt ttgactattc 60  
 actttgggag ttatttttaa aaatccactt ttttactgag tcttactaca taccaggcac 120  
 tgtacttg 129

<210> 509  
 <211> 422  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(422)  
 <223> n = A,T,C or G

<400> 509  
 ntgggaagtc gtgacatcca tgggaaccca gcgctgtgat gctgggtgtt gngttctccg 60  
 cgagaagtga ccattgttgg agcaccatcc agagctagtg accantncag tggacagtta 120  
 gtgggagaat caaaaatcct ttccagaatg tctgtttctc actacntgca ccggnggatt 180  
 acaggcacca gtgcagngat gattgtactt atttgacaca tactccccgt cntcctggnt 240  
 nttgttcctg anaanggtgg gtaaataatc caggaaaaan aatgcacatt gaatggatgt 300  
 gagagaccac attgcctctc ccactgcttt ggggagcact ttctgtcat ttctaactta 360  
 ccacntgctt ggtgtactat atgtatgttg tgccctcatat gttgcaaaga actaangtga 420  
 gt 422

<210> 510  
 <211> 238  
 <212> DNA  
 <213> Homo sapien

<400> 510  
 ccacctatga attggtggtt tacctactca atggatagca gcacgaggac tgctgtactg 60  
 cacaaaaaga agaccaaag attacagtgg accatgggat acagaagcca gcatggcaga 120  
 cagaagaaaa atagtttggg aacatgtaac tatcctaagt ggaagttttg ttgttagaat 180  
 tatagtaatc acaccacatt acttggcctt tcggtaatgt gaaaaaaaaa aaaaatcc 238

<210> 511  
 <211> 254  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(254)  
 <223> n = A,T,C or G

<400> 511  
 ccnattgatt tgatggtaag ggagggatcg ttgnggctcg tctgttatgt aaaggatgcg 60  
 tacggatggg agggcgatga ggactaggat gatggcgggc aggatagttc agacggtttc 120  
 tatttcctga gcgtctgaga tgttagtatt agttagtttt gttgtaagng ttaggaaaag 180  
 ggcatacagg actaggaagc acgataagga aaatgactat gagggcgnga tcatgaaagg 240  
 tgataagctc ttct 254

<210> 512  
 <211> 269  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(269)  
 <223> n = A,T,C or G

<400> 512  
 cctacctgta aactacagta ctttatatat ctatgggntt aataaaaaana aaatccacaa 60  
 atcttaaaaa ggaacttta atgcagggct atattgaatt ggnaaactgc aacacaaact 120  
 ggcgcaacat aggtaaatga ataccaatct cactctatgt gatgcaagca tgctactttc 180  
 ccactaattt aaattacttt caaccactat gagccagaat gcattgcctga accttaaaact 240  
 gcactttaaa aagtaacatc ttggcctaa 269

<210> 513  
 <211> 266  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(266)  
 <223> n = A,T,C or G

<400> 513  
 ggaggggggt tgttaggggg tcggaggaga aggntgggga acagctaaat aggttggtgt 60  
 tgatttggtt aaaaaatant agggggatga tgctaataat taggctgtgg gtggttggtg 120  
 tgattcaa atgtgnttt ttggagagnc atgncantgg tagtaatata attggtgaga 180  
 cgattagttt tagcattgga gtaggttttag gttatgnacc gtactctagg ccatatgtgt 240  
 tgganattga nactagtagg gctagg 266

<210> 514  
 <211> 271



```
<210> 518
<211> 299
<212> DNA
<213> Homo sapien
```

```
<210> 519
<211> 464
<212> DNA
<213> Homo sapien
```

```
<210> 520
<211> 221
<212> DNA
<213> Homo sapien
```

<400> 520						
ctgatatctta	cttattttaac	acaagtctct	aatacaatac	aattttatta	attttattcc	60
acatgcccc	cattagatct	ctagactcat	tcatcctaca	tacctaacttt	gtatcctttg	120
acctacactc	ccctacttcc	tcttcagtc	cccaccccc	accactgggt	gctaaccact	180
gtttcattcc	ctttttcatt	ctacatatgt	gagatcatgc	t		221

<210> 521  
 <211> 312  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(312)  
 <223> n = A,T,C or G

<400> 521  
 ctgatagctt tctcttcgcc tagattaata tcttctnnet tcccattcac agccccacc 60  
 gacatcaaag ctttgctgtt ttatctgtca aaaatgtctt cacacttttc attcttaaatt 120  
 aaaagtgtcg agtaaggaca ttttcacaac aaatttttat ttacaaaac ttacaatgat 180  
 ttgaatcaa aacaactttc attatttaac tgtaaagtaa atatataatt tattaggngt 240  
 gtcttagttc attttgtgct gctttaacag tgtatccttg tgatagttgt ggggtggggg 300  
 aggggggaag ga 312

<210> 522  
 <211> 336  
 <212> DNA  
 <213> Homo sapien

<400> 522  
 ccttctttcc ccaactcaatt cttcctgccc tgttattaat taagatatct tcagcttgta 60  
 gtcagacca atcagaatca cagaaaaatc ctgcctaagg caaagaaata taagacaaga 120  
 ctatgatatc aatgaatgtg ggtaagtaa tagatttcca gctaaattgg tctaaaaaag 180  
 aatattaagt gtggacagac ctatttcaa ggagcttaat tgatctcact tgttttagtt 240  
 ctgatccagg gagatcacc ctctaattat ttctgaactt ggttaataaa agtttataag 300  
 atttttatga agcagccact gtatgatatt tttaag 336

<210> 523  
 <211> 172  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(172)  
 <223> n = A,T,C or G

<400> 523  
 ngacnggcnc ntggctatgt ntatagatag ggctttaacc actatctgng aagcangagn 60  
 gacannattc ttgctctcac atnccacngg anacgtatct ctcttctctt acnagcgaag 120  
 aaccatctnt ttctaaagcc ccattcttat tgcccttget tttctctggc tt 172

<210> 524  
 <211> 471  
 <212> DNA  
 <213> Homo sapien

<400> 524  
 ccagacctgc agaaaaactt agcacagctc aatctgctgt tttgatggct acagggttta 60

```

tttgggtcaag atactcactt gtaactattc caaaaaattg gagtctgttt gctgttaatt 120
tctttgtggg ggcagcagga gcctctcagc tttttcgtat ttggagatat aaccaagaac 180
taaaagctaa agcacacaaa taaaagagtt cctgatcacc tgaacaatct agatgtggac 240
aaaaccattg ggacctagt tttattttgg ttattgataa agcaaagcta actgtgtgtt 300
tagaaggcac tgtaactggg agctagttct tgattcaata agaaaaatgc agcaaacttt 360
taataacagt ctctctacat gacttaagga acttatctat ggatattagt aacatttttc 420
taccatttgt ccgtaataaa ccatacttgc tcaaaaaaaa aaaaaacctt c 471

```

```

<210> 525
<211> 332
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(332)
<223> n = A,T,C or G

```

```

<400> 525
ccccnctgta ttccagcctg ggtgacccca tctcanggaa gaaaagttac cagatgtcgn 60
gggtaaagggt tggctctcaa gtggcctcat aagttgtctt gcattttaat tcagggaatt 120
cattggacca ataggttaca ttttcgttcc tttttgtttt tggttcatct gttaagcagt 180
ggggggcctaa ttactgctcc tttgtaaaaa cacattttcc caaagaacac tgaattaccg 240
ttcaaactgg ttgttgatgg gtaataaggg ctgtttttgc tgcccaaaaa gggcttaaca 300
atttaggcgg atagtttact taaaaaaaaa aa 332

```

```

<210> 526
<211> 440
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

```

```

<400> 526
ccagggttacc tcccctaaca gatgtggtgt tctganggggt tggttaagtg cccgaggaaa 60
ataggcctta actgttaaca tctacagaga agaaagcatg gtcacactgg caaggagtaa 120
gaagggtattg ggtaaaagaa aatgggagag aaaaggga aaagtthttg caagacaatt 180
gttccctgct aagaagctgc agggtgaaag ctttcctttc ttctatthtt gttthtaatt 240
nctgtctctc tgatcagngg aaaagtgaat atthttagta tctagcacta acgtatgacc 300
caactttgag ggatcacaag ctagaacaag ttgaggattt aaatcctggg ataattatat 360
acttaaagtt catgagcata aagctcactt gaccatgcag aaatgctggg aagcagggtg 420
catggcatgg gaatacatct

```

```

<210> 527
<211> 124
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(124)

```



gaggtttagtt gtggcaataa aaatgattaa ggatactagt ataagagatc aggttcgtcc 180  
 tttagtgttg tgtatggcta tcatttgttt tgagggttagt ttgattagtc attgttgggt 240  
 ggtaattagt cggntgttga tganatattt ggagggtgggg atcaatagag ggggaaatag 300  
 aatgatcagt actgcggcgg gtagg 325

<210> 531  
 <211> 173  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(173)  
 <223> n = A,T,C or G

<400> 531  
 ccaattgatt tgatggtaag ggagggatcg ttgaccncgt ctgttatgta aaggatgcgt 60  
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120  
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt tag 173

<210> 532  
 <211> 395  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(395)  
 <223> n = A,T,C or G

<400> 532  
 caggctctac tatgggtggt aaatttttta ctctctctac nggggtttttt cctagtgtcc 60  
 aaagagctgt tcctcttttg actaacagtt aaatttacaa ggggatttag agggttctgt 120  
 gggcaaattt aaagttgaac taagattcta tcttggacaa ccagctatca ccaggctcgg 180  
 taggtttgtc gcctctacct ataaatcttc ccactatttt gctacataga cgggtgtgct 240  
 ctttttagctg ttcttaggta gctcgtctgg ttctgggggt cttagctttg gctctccttg 300  
 caaagttatt tctagttaat tcattatgca naaggatatg gggntagtcc ttgctatatt 360  
 atgcttggnt ataatttttc atctttccct tgcgg 395

<210> 533  
 <211> 290  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(290)  
 <223> n = A,T,C or G

<400> 533  
 ctgaaccatt atgggataaa ctgggtgcaaa ttctttgcct tctctacttc tcaactgattg 60  
 aacataagct tccagggtc cctgaaaac caaaatgaaa acaatgtcaa aatattagat 120  
 aaatcacata aaacagttaa ggggatacca atatataaaa attattaggt aagctcattt 180  
 ctggaactgt taatgctcgg ttccacaatc caagnngacc aacagccttc actcagntac 240

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290

```
<210> 534
<211> 334
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(334)
<223> n = A,T,C or G
```

<400> 534						
ccgccagtgt	gatggatattc	tgcagaattc	gcccttagcg	agnnagccgg	gcaggtccat	60
ggctagggtt	atagatagtt	gggtgggttg	tggggnatga	gtgaggcagg	agtcagagga	120
ggttantttg	tggcaataaa	aatgattaag	gatactagta	taagagatca	ggttcgtcct	180
ttagtgttgc	gtatggctat	catttgtttt	gagggtagnt	tgattagnca	ttgttgggng	240
gtaatttanc	ggctggtgat	ganatatgtt	gaggtgggga	tcaatanagg	gggaaatana	300
atgatcaatn	ctcgcggcng	tnnqacctcn	qccc			334

```
<210> 535
<211> 557
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G
```

<400> 535						
nccataagct	tcagtgcgca	aaaggtcaag	gccagtggtta	atttgttatt	tcttaaataa	60
ctttcccttt	cattttttaa	ttataaatTT	aacttctaac	atgttttatg	gttaaaattg	120
tacttttttc	cttttagcgac	attcaaattgc	atcacaaatca	ctttgtgaaa	ttgttcgcct	180
gagcagagac	cagatgtttac	aaattcagaa	cagtacagag	cccgaccccc	tgcttgccac	240
tctagaaaag	tatgtgtaaa	actctgtttc	tgttcttctt	tcatattgat	gctgttccat	300
gtgttaccat	tgtgagtggt	tggtaaagtgt	tccttatgtg	ggaatcatgt	gccttgaaaa	360
taaccttggg	tgggtgagaa	ggtagggaaa	cctgcttctt	ttatctcaag	taaaagtttt	420
ggcagggtaa	agaagataaa	tgacattttat	atctagactt	ttgagttttc	caattatttg	480
gtaaaaattgg	gaattctctg	agaagccctt	ccttaaaaat	gggggaagtc	catttnanaa	540
aattaactgg	taggtca					557

```
<210> 536
<211> 372
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G
```

<400> 536  
gttccaacct tcattttctga aactgtticta gagcaacngtg tcttttctcgt agttcataac 60

```

ttaccccttc agtctagaat tagaattaca ttatctgttt tactacttta ctagactgta 120
agctcctaga agataaggac tagggagttc atctctgtat tccaccagaa ggtacagtga 180
ctcatatcta gagtcttttag atgaaactta ctgagttgaa taacttaata tatttctggt 240
ttcattccca agggaggcca tgtctggaga tagacottga atttaataaa ttttaggcac 300
tataaccattt cagtggagaa aattgttggg aaatttgggg ggatggatat ataaggggga 360
ggaagtcact gg 372

```

```

<210> 537
<211> 284
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(284)
<223> n = A,T,C or G

```

```

<400> 537
ccttctgatg caaacagaaa ggaaatgttg tttggangcc ttgctagacc tggacatcct 60
atgggaaaaat ttttttgggg aaatgctgag acgctcaagc atgagccaag aaagaataat 120
attgatacac atgctagatt gagagaattc tggatgcgtt actactcttc tcattacatg 180
acttttagtgg ttcaatccaa agaaacactg gatactttgg aaaagtgggt gactgaaatc 240
ttctctcaga taccaaacaa tggggttacc agaccaaact ttgg 284

```

```

<210> 538
<211> 293
<212> DNA
<213> Homo sapien

```

```

<400> 538
gtacatagta ggtgtatata tttatgggct atataagatg ttttgatata ggcatgtaat 60
gtgaaacaag cacatcaaca agaatggggg atccatcccc taaaacattt gtcctttggg 120
ctacatgtca tttcctaattg taaagaaaat ggacagacag aaccaacatt gatgtgactg 180
ggtgaaaaaag tccatttgag ttgggagcag gggttgtgtt cctggatttg ggttggttagg 240
acagtgtaaa aaggcttcac aggggaacat tcttttctga taaaggaaaag cag 293

```

```

<210> 539
<211> 468
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(468)
<223> n = A,T,C or G

```

```

<400> 539
tttcnataaa ctttattttt agagcagttt taagnnggta gcaaaattga ttagaaggna 60
cagagatgtc ccatacacct cctactccca cacatgcaca gccttcccca ttatcaatag 120
cccccaacag agggatacat ttgttaacaa ctgacgaacc tacatatcat tatcacccaa 180
agtccacagt ttatattatt ccttctggag aattttcaaa tacagaaatt cctctaccag 240
gaataaacta ncaatttcct ctgggcttcc tataaattta attattattt cagaaattag 300
cctatcttta caggagaaaa tgttataaac catgaaaaga ctatcaaata cacaaggaag 360
tgaatgntat ataaaaaatg taccatctcc taaacaacta cctgcattcc cttottgttg 420

```

gtaagttata atttgnnata gttctgatca tctgtttaat taatttgc

468

<210> 540

<211> 397

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(397)

<223> n = A,T,C or G

<400> 540

ctgttttatt	aattccccca	tttgcagcac	acttntctct	tccaacattc	atcagtcaga	60
tcagagtcca	cggctctttc	aaaatttaga	taaactggct	tacattttgt	aatgatgtcc	120
ccagacaaca	cccactcca	accattctg	tttgttacta	ttagtttaca	acatgcatgt	180
gcctttactt	tcattttcat	agtatttaaa	aatggaagg	cactcccaa	tttacttta	240
ccccctta	aatctctctc	ctcctgctct	ctctggctct	ccagacaact	gttgatttac	300
tttcctttat	gatggattag	tttgcatttt	ctagaatttt	atatgactga	catataaagn	360
ttttatgttt	ctcccctttg	ggtttcttca	tgtggca			397

<210> 541

<211> 248

<212> DNA

<213> Homo sapien

<400> 541

cctagatagg	ggattgtg	gtgtgtgatg	ctagggtaga	atccgagtat	gttgagaaaa	60
taaaatgtgc	atagtggggg	ttttatttta	agtttggttg	ttaggtagtt	gaggtctagg	120
gctgttagaa	gtcctaggaa	agtgcagcgc	agggtctgta	gttttaggtg	gagggggatt	180
gttggttgga	agggggatgc	gggggaaatg	ttgttagcaa	tgagaaatcc	tgcgaaatagg	240
cttcgggc						248

<210> 542

<211> 366

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(366)

<223> n = A,T,C or G

<400> 542

aatcgccct	ctagatgcat	gctcgagcgc	ccgccagtgt	gatggatata	tgcagaattc	60
gcccttgagc	gatanccgcg	gcaggtccaa	ttgatttgat	ggtaaggagg	ggatcggtga	120
ccnctctgt	tatgtaaagg	atgcgtagg	atgggagggc	gatgaggact	aggatgatgg	180
cgggcaggat	agttcagacg	gtttctat	cctgagcgtc	tgagatgtta	gtattagtta	240
gttttggtgt	gagtgttagg	aaaagggcat	acaggactag	gaagcagata	aggaaaatga	300
ctatgagggc	gtgatcatga	aaggtgataa	gctcttctat	gataggggaa	gtagcgtctt	360
gtanac						366

<210> 543

<211> 460

<213> Homo sapien

cctactatgg	gtgttaaatt	ttttactctc	tctacaaggt	tttttcctag	tgtccaaaga	60
gctgttcttc	tttggactaa	cagttaaatt	tacaagggga	tttagagggt	tctgtgggca	120
aatttaaagt	tgaactaaga	ttctatcttg	ggcaaccagc	tatcaccagg	ctcggtaggt	180
ttgtcgcttc	tacctataaa	tcttcccact	attttgctac	atagacgggt	gtgctctttt	240
agctgtttct	aggtagctcg	tctgggtttcg	ggggtcttag	ctttggctct	ccttgcaaag	300
ttattttatg	ttaatccatt	atgcagaagg	tatagggggt	agtccttgct	atattatgct	360
tggttataat	ttttcatctt	tcctctggcg	tactatatct	attgogccag	gtttcaattt	420
ctatcgctta	tacttttatt	qggtaaatqg	tttgqctaag			460

<211> 116

<213> Homo sapien

<221> misc feature

<223> n = A, T, C or G

cgcggcagtgatgatgatacgtgcagaattcgcccttttggagngctngcgc cggggcagggt60  
ctgttttcacgaactcctccttcttcttcccgcgagatctcgagccttga tcttgg116

<211> 380

<213> Homo sapien

<221> misc feature

<223> n = A, T, C or G

cgacggatcg	atnagctnga	tatcgaattc	ggacgagcat	ggcgtattgc	tgcagatatg	60
gattcttcag	aatgctccat	gacaaatgta	ctgacgggaa	gncnatctaa	aggaggcatt	120
gtnatgagag	aaaggtctcg	agctccagat	aaagagagat	acagagttct	tggaattgga	180
gttgacagaaa	cagtaagaca	atcgattgtg	gggaagcggt	cttttagaga	atctttggcc	240
ttcactccaa	agcgttgttc	ttcatcaata	ataagtagct	cgtgccgaat	tcctgcagcc	300
cgggggatcc	actagttcta	gagcggccgc	caccgcggag	gagctccagc	ttttgttccc	360
tttagtgagg	gttaatttcg					380

<211> 418

<213> Homo sapien

ccagggcgaat taggcaggag aaggaaataa agggatttca attaggaaaa gaggaagtca 60  
aattgtccct gtttgcgat gacatgattg tatactaga aaacccatt gtctcagccc 120

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<210> 547
<211> 172
<212> DNA
<213> Homo sapien
```

```
<210> 548
<211> 367
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(367)
<223> n = A,T,C or G
```

```
<210> 549
<211> 418
<212> DNA
<213> Homo sapien
```

```
<210> 550
<211> 234
<212> DNA
<213> Homo sapien
```

<220>  
 <221> misc\_feature  
 <222> (1)...(234)  
 <223> n = A,T,C or G

<400> 550  
 cctaccgcgc gcagnactga tcattctatt tccccctcta ttgatcccca cctccaaata 60  
 tctcatcaac aaccgactaa ttaccaccca acactcacaa caaaactaac taatactaac 120  
 atctcagacg ctcaggaaat agaaaccgtc tgaactatcc tgcccgccat catcctagtc 180  
 ctcatcgccc tcccatccct acgcatcctt tacataacag acgaggtcaa cgat 234

<210> 551  
 <211> 542  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(542)  
 <223> n = A,T,C or G

<400> 551  
 caccocctacc ccnntcctca taaaagttnc tctccctgga tcctcttttt ccctcatgag 60  
 tgcccgggttg cccaagtcaa aaacctggga gtgatataaa ctecccacac atccagtcag 120  
 tcactcatca actctattga ttctgtctgc taaatatatn tcaattgtat taacttaaac 180  
 atatgcatan ggcactttct tcttcactgc atttttgtgg gctgcactta cctttcaggt 240  
 aacgacaaca ctggcccctc ttgcccttct agtcagaagt gccaaaatga tgagagctag 300  
 ccatgacaaa cccacagcca acattacact gaatgtgcaa aactggaagg gcatccaaac 360  
 agaggagggg agagaggaat agacaggaag tcaaactgtc tctgtttaca gatgacatgt 420  
 ttctatatct ataaagcccc atagtcttgg ccccaaagct ttttctgctg ataaacttta 480  
 gcaaagtctt agcatacaaa atcaatgtgc aaaaattact aacagtccta tacatcaagt 540  
 ca 542

<210> 552  
 <211> 411  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(411)  
 <223> n = A,T,C or G

<400> 552  
 cctggntgac aaggaggtgc ctgtnatgtg aagatttgag gaaagagcat tccaggcagg 60  
 gggaaggctt gatgcaaagg gtctactgca ggcattagct gagcttattt aaagatcaga 120  
 atgaaggcca ttgtggctag aacagagtgg acaggaaagg atggtaccag gcaaagctga 180  
 agaagttggc aggattgagc totcataant catggcaaag agttccatt tcattgtttg 240  
 acggaaataa attggaaggt cttaagtagg agaagatttg attagattta cattttacga 300  
 agaagcactc tggatgttat gtgaagaaat ggcctttgca gggcaagggt ggaaacaaag 360  
 agatcagtta ggaaattatt ggagtagctg aggattggat gaggggatgt g 411

<210> 553  
 <211> 631

<400> 553

<400> 554

<400> 555

```
ccaggatattt gcataatggc ttttctttctg ttgcctttgt tcctttgtgg cccagctaa      60
ttgcctgaga gtgccactgt tagttttcaa ctctttctga tagaaaccct gtgtactaac      120
atggaaatct taggtaatct gctttttcaa agcacaatgc agaatttatt ggcggtggtg      180
taactttaag aatatccgag aagccaccaa gg                                212
```

<210> 556  
 <211> 219  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(219)  
 <223> n = A,T,C or G

<400> 556  
 ccatgtgtct atctggagag aaggggaaac agcaagtgca aaggccctga gatggaacat 60  
 atctggagaa ttcgaagaat ggtaagaagg ccagagtgga gcagaacaag tgtgggagag 120  
 agttgtagga gatgagatca aaggctagga atgaagtgta aggccatgtc atgtgacctt 180  
 gtatgtcctt gtaaggcttt tttttttttt ttttncct 219

<210> 557  
 <211> 482  
 <212> DNA  
 <213> Homo sapien

<400> 557  
 cctactatgg gtgttaaatt ttttactctc tctacaagggt tttttcctag tgtccaaaga 60  
 gctgttcctc tttggactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca 120  
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt 180  
 ttgtgcctc tacctataaa tcttccact attttgctac atagacgggt gtgctctttt 240  
 agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag 300  
 ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360  
 tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt 420  
 ccacgccta tactttatctt gggtaaatgg tttggctaag gttgtctggt agtaagggtg 480  
 ag 482

<210> 558  
 <211> 679  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(679)  
 <223> n = A,T,C or G

<400> 558  
 ctgtnaaaat tctgaacctt tccccaaaag aaaaaccgtg aaatacaagt tttaggagggt 60  
 ggagcaaaga aaagccaagt tattttaaac caataaacac aagagacaat tctgctggag 120  
 aatttacttt ctccaaaaca tcaaatggac tttaaagcag aagaccacat tttatgagaa 180  
 agttatgtca ctgaaaagct tcatgtaaag tgactttgtt aatggaatat ttttaaata 240  
 taaaaagaaa ataacttttc caggaatcct ttggagaggc tgataaccag atattaaatt 300  
 atcaattttg ccaaagtgga cttttaaaaa atgtgttact tttaaaaact aacttgaaag 360  
 aatttatgag gcaatctatc tgagtatggt tattgttgct ccattggctt tcaggatttt 420  
 ggtcatttca ctgttaactc ttacatcaga gaataaagaa aagaaaatga aactttgtta 480  
 ggaactggga tggaaaatgt agtcccagac agatctactg acctcgactg agtttcagaa 540  
 atatcccagg attttgggta ttcatgcctt tcttttgtga ctttcttca aattagccaa 600  
 ttaaagatac cccttcaatc accggtgaca tcagtacaac agtttttcaa cagttttctc 660





cttggaatgc tattactgtt cacacaaagt atgattctgt ttgaataagg caaatgctcc 180  
 tttttttaaa aaaagacatt actgtaatat caaaaaccgt ggcagtttgt atacaactct 240  
 gggcttgatt ttttttaaaa aaacagaatg aattgatgtc ttattttata aatgttctat 300  
 atttattagg agaaaacttt atattgcctt tttatcaat catgtaacag gcttatagct 360  
 ttccaacaga gctgcttgcc aaacaatttt tttgtttat taaacagtgc tgaaacaaac 420  
 aggatcagca tttacttaag atgttaagaa tgaggacttt taatcagccg aaccaagata 480  
 ttgttacctg tatgcattcc caaagtctag atgctcagta tgttcagtca tatctttcag 540  
 aatcagtga ccgattaccc tttttttggt attcactcta catctgccaa cctagttcac 600  
 cttgggtttg tgtctgctgt agaaggaac cataacttgg ttaaaccgta gggattatca 660  
 ttgtatacat gctgtgaaca tgt 683

<210> 562

<211> 420

<212> DNA

<213> Homo sapien

<400> 562

gcactttttt tccagtaagg attcatctct tgctctccta tatggtcatt atattttata 60  
 ttttacatat ttataaacat gacatatgta tttatgttcc acaaagggct ttgaatagaa 120  
 tttacacata gagttccctg ggttgatgtg tttatcaaaa tggaagataa agtgaattaa 180  
 ttacttaaat atttaacact attgaataga aataatttcc ccaatattgc ttcattgattt 240  
 agacagtcta ttaaatgttt aagcaaggca ctagactaag tttattaaga caaattttgg 300  
 aatatgtgca gaaatatgac ctggctaata gtacagagtc aaagctggtt gaatgggtgtt 360  
 atatagtgga ttcagattga tgtggcagtg gtggttacac taggggcact aaggttatcc 420

<210> 563

<211> 482

<212> DNA

<213> Homo sapien

<400> 563

ctccacctta ctaccagaca accttagcca aaccatttac ccaaataaag tataggcgat 60  
 agaaattgaa acctggcgca atagatatag taccgcaagg gaaagatgaa aaattataac 120  
 caagcataat atagcaagga ctaaccctta taccttctgc ataataaatt aactagaaat 180  
 aactttgcaa ggagagccaa agctaagacc cccgaaacca gacgagctac ctaagaacag 240  
 ctaaaagagc acaccctgtc atgtagcaaa atagtgggaa gatttatagg tagaggcgac 300  
 aaacctaccg ggcttggtga tagctggttg tccaagatag aatcttagtt caactttaac 360  
 ttgtcccaca gaacctcta aatcccttg taaatttaac tgttagtcca aagaggaaca 420  
 gctctttgga cactaggaaa aaaccttgta gagagagtaa aaaatttaac acccatagta 480  
 gg 482

<210> 564

<211> 302

<212> DNA

<213> Homo sapien

<400> 564

ctggaagtga aggtactaat atacaaatgg ctcttgtttc tgaatatgtg atataatttg 60  
 tgaatctttg gaaactgaat tttttctatg gagtgc aaat atagaaggggt tattttacia 120  
 tgtttgttgt gaaaagaatt cactttgtaa acaactatta aggctggaag tttagtgaag 180  
 gtgcatagtt ttgaaagcta cacagggtgaa aaatcaaact tattgtttgt aattttgctg 240  
 ttacatgtta agttactttg acagcaattt tctaattgata atgtgattta tgatttaaaa 300  
 gg 302

<210> 565  
 <211> 554  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(554)  
 <223> n = A,T,C or G

<400> 565  
 ccanngtgac atcatggcaa tacagcaaga attctggnat ttatttagaa gcctcaagga 60  
 gaaggatcct ggagcccctg aatgagagtt tcttctccat gcctctcccc agtcaaaata 120  
 catggaaata ttcatagaag cattgtaccc agcatgataa ggaaggatgg agaattgggtc 180  
 cttatatctc tgttcacaag acatcaacac tcttaagtaa ctgtatgaaa taaattctct 240  
 gctgaaagca aataaaccat ctgaaaggtc ttctgggttac ttacacagat ttcttagaga 300  
 atctgaaatc agcctaacag ggaagattaa tttttaaatg aatccaagtt aatgaaagca 360  
 aagaactctt atacagaaat acattttcct attataaagc aggactacct tccctaattt 420  
 ctgatagacc taggacaatt tgaatgggca ttgaaattct tttgggttgaa ttacgcaaac 480  
 aagcaaagga aaagtctcaa ttattattgg aaaatttggg gagagattat tatctcttga 540  
 tctcctagtn natt 554

<210> 566  
 <211> 631  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(631)  
 <223> n = A,T,C or G

<400> 566  
 ncgaagctgt gaanncattc acacggaatc tgganggtat tactgtaact tcttataata 60  
 cataatataa aagtttttga aagatataga cacaattaac ccctaaacaa cacactatct 120  
 gattctcaaa agcaatggct atttaacaag atgtaaaagg acaataacat atcaaagaac 180  
 tttcacacac cttaaagatag catttagcag caagttagtc agacaaaaca aacataaata 240  
 tcttcacatt tcctatgttt gtttttaact ttacttcata aagccactga taattgaggt 300  
 ttctttcaag tataagattt ctaaaattaa aaactgtttt tgacatattt ttataaagaa 360  
 ataaaaagca aaacgcaatc caactattta tatgagtcct tcttctccaa cagctttaga 420  
 tggttttctg agtacttttt acacagaata tttttattaa aatcagttct aattcattta 480  
 tgcagattag gggaaaatga ttcataataa attaaactta aaattacctt ctatctgctt 540  
 ctacctctat cccccatca ccaccaaatc tgttgctaca gtgaactgta gccaatgtct 600  
 gtttgagggg gcccaaagca tctggtaatc t 631

<210> 567  
 <211> 510  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(510)  
 <223> n = A,T,C or G

cctatnatag	cttctctagc	tatcatactc	caatcagcna	aaaatgagaa	aatgttgaga	60
aatagaagat	aattcctcat	ttaaggncac	cttctanaat	ttgtgcttaa	nantctgttt	120
tcttctcatg	ggccagcact	toggcaactg	ggaaaaatta	ngngtacagg	gatctaggna	180
atactgttta	tttgagcaat	aatatattgn	gctaacgttc	aggcataccta	ttactgagaa	240
ataaggggaaa	atgagtgtaa	agtacaacta	agagtctcgg	ctacagggaa	aaataccatc	300
agttaaatat	ccatagtccct	agagcattta	tgtaaaactg	caatttgaat	cctgcaatac	360
attttggctt	tttctcagt	gataccatgt	gtgggaagtt	gttctgtcaa	ggtgggtcgg	420
ataaattgcc	ctggaagga	cggatagtga	ctttcctgac	atgtaaaaca	tttgatcctg	480
aaqacacaag	tcaagaaata	ggcatggtgg				510

<213> Homo sapien

$$\langle 223 \rangle \quad n = A, T, C \text{ or } G$$

ttaaatntgac	ncacgcttat	gcggaggaga	atgntttcat	gttacttata	ctaacattag	60
ttottctata	gggtgataga	ttgggtccaat	tgggtgtgag	gagttcagtt	atatgtttgg	120
gatttttttag	gtagtgggtg	ttgagcttga	acgctttctt	aattggtggc	tgcttttagg	180

<213> Homo sapien

ccaattgatt	tgatggtaa	ggagggatcg	ttgacctcgt	ctgttatgta	aaggatgcgt	60
agggatggga	ggcgatgag	gactaggatg	atggcgggca	ggatagtcca	gacggtttct	120
atttcctgag	cgtctgagat	gttagtatta	gttagttttg	ttgtgagtgt	caggaaaaagg	180
gcatacagga	ctaggaagca	gataaggaaa	atgactatga	gggcgtgac	atgaaag	237

<213> Homo sapien

ctgtctctcc	atttagagcc	ccagttgggc	ctgacctctt	acaaatttgg	tgttttcact	60
ttgatgttta	tgaaccgatt	gcattaaaaa	tgcaggataa	tgattcaggg	ttagagaaac	120
tattatttat	acaaatgtgg	ttaacacctc	atcattttaa	attggctgtg	ctaataatgc	180
tcatttgtct	cttcagggtt	atgtgtgtgt	gtgtgtgtgt	gtaattgctg	aatctgcaac	240
ctacatttgc	tctgcagata	tgttgagtat	atgtagaat	agaattggacc	taggcaactc	300
taagggtcta	caactaataa	cacttactta	ggaaaccttc	taataaagta	gg	352

<212> DNA

<213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(684)  
 <223> n = A,T,C or G

<400> 575

ccagatntga	cttttcaaaa	ctactcacat	tgtgaaaaan	gcaggaacaa	atctagtttc	60
aagttcagca	tgccgttccc	tgtttaatto	ataaaacaca	actggcagaa	gtattacttg	120
aagcaaaaaca	aaagtaacgt	gggaacttgc	ttatttgcta	agccacaatg	tatttttcca	180
ggaatagcat	aaatttgcca	tctttcttgt	gtctatggaa	aaggggttta	gaattgtttc	240
actaaaaatt	aaatttctat	attgtcaaac	atgattgtat	actcaaattt	taaaatgtga	300
agggaaacact	tactaagcat	ttcctgggta	tgccactata	ttaagtccta	gtaatatgat	360
atagttttatt	tcaatttttt	ttcaactcat	acttccttta	aaatagcact	gaccaaaaga	420
aagttaacat	gagcttcctg	tacaattttt	aatctttttg	cagaaaaata	aactgagaaa	480
ggctaaaaatt	gttttattta	agccactata	ccaagacata	ttgatttcac	caatataaaa	540
attgagatag	tttacatttt	ttggtacatc	tttaaaatct	ggtatgtatt	tttatactga	600
cagcacatct	caatttggac	aagctacatt	tccagggctc	aatagtcacc	atgaatctca	660
attgtaatca	aagaggttgg	cctg				684

<210> 576  
 <211> 134  
 <212> DNA  
 <213> Homo sapien

<400> 576

ccttattttct	cttgtccttt	cgtaacagga	ggaatttgaa	gtagatagaa	accgacctgg	60
attactccgg	tctgaactca	gatcacgtag	gactttaatc	gttgaacaaa	cgaaccttta	120
atagcggctg	cacc					134

<210> 577  
 <211> 133  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(133)  
 <223> n = A,T,C or G

<400> 577

ctgtctctcc	attnagaagc	cccantnggt	cctnacctct	tacaaatttg	gtgttttcac	60
tttgatgttt	atgaaccgat	tgcatataaa	atgcaggata	atgattcagg	gtaganaaaa	120
ctattattta	tac					133

<210> 578  
 <211> 200  
 <212> DNA  
 <213> Homo sapien

<400> 578

cctcaaattct	atcttcaaag	gtgaccacgc	aatcagtgtc	aatgccttta	ctgtagttaa	60
cctggtaatt	tcattcttta	gtctctccaa	gaaaatctga	agtgtattag	gcaagtcaga	120
acccaaaattg	tctccaaggt	tgcaaataat	ttgtcccata	caggaaatag	ccctttcctt	180

200

```
<210> 579
<211> 402
<212> DNA
<213> Homo sapien
```

<400> 579						
ctgattttta	caataactac	tgtgttcctg	gcaatagtg	gttctgatta	gaaatgacca	60
atattatact	aagaaaagat	acgactttat	tttctggtag	atagaaataa	atagctatat	120
ccatgtactg	tagtttttct	tcaacatcaa	tgttcattgt	aatgttactg	atcatgcatt	180
gttgagggtg	tctgaatggt	ctgacattaa	cagttttcca	tgaaaacggt	ttattgtggt	240
tttaatttat	ttattaagat	ggattctcag	atattttatat	ttttatttta	tttgtttcta	300
ccttgaggtc	ttttgacatg	tggaaaagtga	atttgaatga	aaaatttaag	cattgtttgc	360
ttattgttcc	aagacattgt	caataaaaagc	atttaagttg	aa		402

```
<210> 580
<211> 245
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(245)
<223> n = A,T,C or G
```

<400>	580						
ccaattgatt	tgatggtaag	ggagggatcg	ttgacctcgt	ctgttatgta	aaggatgcgt		60
agggatggga	gggcgatgan	gactaagatg	atggcgggca	ggatagttca	gacngtttct		120
atttctgag	cgtctgagat	gttagtatta	gtagtttttg	ttgtgagtgt	taggaaaagg		180
gcatacagga	ctaggaagca	gataaagaaa	atgactntta	gggcgtgatc	atnaaanggg		240
ataaa							245

```
<210> 581
<211> 294
<212> DNA
<213> Homo sapien
```

<400>	581						
tgcagcgcaa	gtaggtctac	aagacgctac	ttcccctatc	atagaagagc	ttatcacctt		60
tcatgatcac	gccctcatag	tcattttcct	tatctgcttc	ctagtctgtg	atgccctttt		120
cctaacactc	acaacaaaac	taactaatac	taacatctca	gagctcagg	aaatagaaac		180
cgtctgaact	atcctgcccg	coatcatcct	agtcctcatc	gccctcccat	ccctacgcac		240
cctttacata	acagcgaagg	tcaacgatcc	ctcccctacc	atcaaataca	ttgg		294

```
<210> 582
<211> 230
<212> DNA
<213> Homo sapien
```

[illegible]

tacataacag acgagggtcaa cgatccctcc cttaccatca aatcaattgg

230

<210> 583

<211> 481

<212> DNA

<213> Homo sapien

<400> 583

ccaagggtgt	tctgcctgcc	tcagcctccc	aaagtgtctg	gattacaggt	gtgagccact	60
gtgcctgacc	acaggaaaac	ttattttaa	gagagatttg	actcgaaaga	tcccgtttt	120
ttaaggctct	tagttcttaa	aagcggcaca	taatagaatt	agtataatcc	caaataaatt	180
ttcagtagat	ttttggtgta	acttgagaag	atgattctgt	catttttagt	gacaatttaa	240
aagacctgaa	attgtctaca	gccatagaaa	gtgaactact	gatagttggt	tctgtaaagt	300
tttattggaa	cacaaccaca	cctatttggt	catctgtatt	gtctttgggt	actttgtgca	360
gagaccatgg	cccacaaacc	taaaacattc	actttctagc	tctttaagaa	ataattggcc	420
cactgacacc	ctgggtcttaa	ggtctagacc	aattatttct	caagagtatt	agctgaatca	480
g						481

<210> 584

<211> 306

<212> DNA

<213> Homo sapien

<400> 584

ccaattaaga	gctaaattta	caaaataatc	tctatcagga	ggctttaagg	tttaatgtct	60
ctaaagtccc	tatggatata	agaggcttga	atgtactgaa	ttcaaatttg	gtttttaaat	120
gttataatag	tttaggcccc	agagccacat	atttctgtct	aagaatagaa	agcatagcta	180
gtgcccaca	cagaatattc	atatagaggt	ggggggcaag	aacaaaattt	attcatttga	240
tacatagaaa	tgggactact	tagaatagac	tcataataga	aagcatcatc	tggtttctca	300
tctcag						306

<210> 585

<211> 308

<212> DNA

<213> Homo sapien

<400> 585

ccagaatggt	acagagtgga	gggtgttctg	ctaattgactt	cagagaagta	tttaagaaaa	60
acatagaaaa	acgtgtgcgg	agtttgccag	aaatagatgg	cttgagcaaa	gagacggtgt	120
tgagctcatg	gatagccaaa	tatgatgcca	tttacagagg	tgaagaggac	ttgtgcaaac	180
agccaaatag	aatggcccta	agtgcagtg	ctgaacttat	tctgagcaag	gaacaactct	240
atgaaatggt	tcagcagatt	ctgggtatta	aaaaactaga	acaccagctc	ctttataatg	300
catgtcag						308

<210> 586

<211> 416

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(416)

<223> n = A,T,C or G



&lt;400&gt; 586

cctgtctttg	aatggatgaa	ataggttaat	aaaaaacatc	actgttttaa	aactagaaca	60
ctgaaaaatt	ctaggaaagc	ttattttccc	ttatatTTTT	atggnacttt	caacacttna	120
caacactatt	tnaattaann	ttntttctag	agtttatann	atatcagtac	attcttttct	180
gtggatgcaa	taatatagaa	tcttattnca	aatcttactg	gcaggntctn	ttaaattctt	240
caacggntgn	catagtgatt	aacccaaaatt	agttatgatt	tctgcctatc	tgtgtgagaa	300
cttacagggg	aaattgttct	aaacctgagg	aacatgaagt	aactgtactg	cacactccaa	360
atgatgacag	tcattttata	tcaccttcaa	ttaccaaca	gcttttaata	gtctgg	416

&lt;210&gt; 587

&lt;211&gt; 382

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 587

cctactatgg	gtgttaaatt	ttttactctc	tctacaaggt	tttttcctag	tgtccaaaga	60
gctgttcctc	tttggactaa	cagttaaatt	tacaagggga	tttagagggt	tctgtgggca	120
aattttaaagt	tgaactaaga	ttctatcttg	gacaaccagc	tatcaccagg	ctcggtaggt	180
ttgtcgctc	tacctataaa	tcttccact	atcttgctac	atagacgggt	gtgctctttt	240
agctgttctt	aggtagctcg	tctggtttcg	ggggtcttag	ctttggctct	ccttgcaaag	300
ttattttctag	ttaatctatt	atgcagaagg	tataggggtt	agtccttgct	atattatgct	360
tggttataat	ttttcatctt	tc				382

&lt;210&gt; 588

&lt;211&gt; 307

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 588

cctactcttc	tccgtccatt	gtactatctg	cccgtgggtg	ggatggcagt	aggatcatat	60
ttgatgactt	ccgagaagca	tattattggc	ttcgtcataa	tactccagag	gatgcgaagg	120
tcatgtcctg	gtgggattat	ggctatcaga	ttacagctat	ggcaaaccga	acaatttttag	180
tggacaataa	cacatgggact	aatacccata	tttctcgagt	agggcaggca	atggcgtcca	240
cagaggaaaa	agcctatgag	atcatgaggg	agctcgatgt	cagctatgtg	ctggtcattt	300
ttggagg						307

&lt;210&gt; 589

&lt;211&gt; 89

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 589

cctgggtgat	tgaggatgca	atgagctgtg	attgtgccac	cacactccag	cctgggcaat	60
acagcaagac	tgtctcaaaa	aaaaaaaaa				89

&lt;210&gt; 590

&lt;211&gt; 456

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 590

cctcagttct	tgatttgtgt	tgacggggcg	tcaccatgaa	ggagccatt	tagtataaag	60
cttccaacct	tttctcttaa	tcgtttcttt	aatcttttaa	accatcttca	agtgcatagg	120
ggagtttccg	atgccagagg	atgaaagcaa	gtgctctctc	cacctctctc	tcccagagt	180



```

aagatgaaaag ttccaaggta acaatgcccc aacacagcac cattttcacc atttttctgat 360
aatgcaggag taggatggct aaaagtgaag gaagaatcta ctctatggaa agcatggcac 420
ctgaaatttc tgaagatatt ggctgtcttc tagcttatat gagagagagt gtttgtgctt 480
tactaatcaa ccagtcattt ttttcttggt tggctgaaat gtacattcca gacatgaaca 540
ggtagagtat gtgttggggg cagggtttata ctgcatgggt gtgctgagac agggccacgt 600
ggtgatgtaa atgatgctgn ctgacacgtg cag 633

```

```

<210> 594
<211> 501
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

```

```

<400> 594
cctttacaag atgctggtac cttgatcttg gacngggcag gctccaagat ggaaagaaaag 60
tgagcatctg ctttttaggg attatccagt ctatactact ctgttctagc cacacaaaac 120
aggttaagac agaaattggg accaagagtg ggggtgtact acagcaaata cctgaaaatg 180
tagaagaggc tttgaaatgt ggtaattgga agaagctggt agaatttgga ggagtaggct 240
agaaaatgtc tgtattttca tgaatggagc attaagaata attccgggtga ggccataggg 300
aaagtctaaa acttttcaga aattatgtaa gcgatttgta ttagtagggt ggtagaaata 360
tagacagtaa aagcaattct gatgtggttt cagaggaaaa tgaaaaatat tagaaactga 420
aggaaggggc atccttgcta taaactggca aagaacttgg ctgaaatgtc tccatgtcca 480
agagatttat ggcagaaatg t 501

```

```

<210> 595
<211> 383
<212> DNA
<213> Homo sapien

```

```

<400> 595
ctggtcacca tcatcccttt aatcaactca cacctgttta aagagtgttt ctgatttgac 60
cttcatccct tagtttactg gcgttaaaaa aagtcctcagc aattttcatt atttctcgtg 120
ggtctcatta tcaaaccctt acttatttcg gcatatttcc tctgggcttc ttctagtttc 180
tgccttacia gcaatgctgt tctgtaaatt tattgaaacc tctggaacat ttcaccttta 240
gagatggagg atggaaggat tggtagcaga agagggctaa gatacgtttt ctgtcttgag 300
ctgaaagcac agtctactct ccttcgtttt gtcgatgaga aagttgagga cagaggggag 360
gtgacatggt tagagtcacc cag 383

```

```

<210> 596
<211> 266
<212> DNA
<213> Homo sapien

```

```

<400> 596
ccatggctag gtttatagat agttgggtgg ttggggtaaa tgagtgagga aggagtccga 60
ggaggttagt tgtggcaata aaaatgatta aggatactag tataagagat caggttcgtc 120
ctttagtgtt gtgtatggct atcatttggt ttgaggttag tttgattagt cattgttggg 180
tggttaattag tcggttggtt atgagatatt tggaggtggg gatcaataga gggggaaata 240
gaatgatcag tactgcggcg ggtagg 266

```



```

agatattggg ctgttaattg tcagttcagt gttttaatct gacgcaggct tatgcggagg      60
agaatgtttt catgttactt atactaacat tagttcttct atagggtgat agattggtcc      120
aattgggtgt gaggagttca gttatatgtt tgggattttt taggtagtgg gtgttgagct      180
tgaacgcttt cttaattggg ggctgccttt agg                                     213

```

```

<210> 601
<211> 471
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

```

```

<400> 601
ncctactatg ggtgttaaatt tttttactct ctctacaagg ttttttccta gtgtccaaag      60
agctgttcct ctttggaacta acagttaaat ttacaagggg atttagaggg ttctgtgggc      120
aaatttaaag ttgaactaag attctatctt ggacaaccag ctatcaccag gctcggtagg      180
tttgtcgctt ctacctataa atcttcccac tattttgcta catagacggg tgtgtctctt      240
tagctgttct taggtagctc gtctggtttc ggggggtctta gctttggctc tccttgcaaa      300
gttatttcta gtttaattcat tatgcagaag gtataggggt tagtccttgc tatattatgc      360
ttggttataa tttttcatct ttcccttgcg gtactatata tattgcgcca ggtttcaatt      420
tctatcgctt atactttatt tgggtaaatg gtttggtctaa ggttgtctgg t                                     471

```

```

<210> 602
<211> 482
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(482)
<223> n = A,T,C or G

```

```

<400> 602
tgagcataca gcaataaaaa taacataatt tntatgtgta caatatttat ggaatacgtt      60
actggaacag ataaataaatt tagttaataa catgacaaag aacagaaatt gtatacacta      120
tacagcatag taatagaata atgaatgatt aaagttatta atattaggta gaaaatgaag      180
ggtatctttg agagcagaac tcaaggaagc aagcaatttg ctttatgagg aaagagttac      240
ctgtggataa aggagaaaact gaaaaattta caagtcaaga ctttttgagc aaaaacaaaa      300
atatgactat gagtcaccaa ttcagtacag tgaaaaaaa gttgaagaga tatcttggaa      360
gtaaaccatg ttgtggaaga gcagggtttt gataatcatg ggattattct gaatgaattt      420
taaatgcgat aggaatatat gagataattt caccagagaa taatatgatc atgtttgcat      480
tt                                                                                   482

```

```

<210> 603
<211> 372
<212> DNA
<213> Homo sapien

```

```

<400> 603
gttccaacct tcatttctga aactgttcta gaggactttg tctttctcgt agttcataac      60
ttaccccttc agtctagaat tagaattaca ttatctgttt tactacttta ctagactgta      120

```

T06050" 32354350



```

aggagctca aagaaccca aacagattca acccaaacag gtcctctctg gagcccaaca 360
tagtcaaatt gtaataagta aaagacaaag aattccaana agcattcaag agaaaagagt 420
caagtcataa ataagggaat ctccattagg ctaacagcag atatctcagc agaaagctta 480
cangccanga gagaatggga tgatatattc aaagtacttg aaagcagggg tnggggaaac 540
cctgctagct aaaaatatta tacccttgca aa 572

```

```

<210> 607
<211> 178
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)..(178)
<223> n = A,T,C or G

```

```

<400> 607
ctcggggttaa tctcccagca agaggtcagg tcctggntgt gcgtcccagg gtgtcagtga 60
aattggctgc tcccctgacc cagggcacct tcatgcgtct tcacagcagg actactgtga 120
ccaaggccag acctttcatt tttcaaaaga ctttgactaa aaatgcttta aaaaagca 178

```

```

<210> 608
<211> 416
<212> DNA
<213> Homo sapien

```

```

<400> 608
cctgtctttg aatggatgaa atagggttaat aaagaacatc actgtttaaa aactagaaca 60
ctgaaaaaatt ctaggaaagc ttattttccc ttatatattt atgggtacttt caacacttaa 120
taacactatt tcaattaagt tttctcctag agtttatagt atatcagtac attcctttct 180
gtggatgcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaattctt 240
caacggctgt catagtgtatt aaccaaaatt agttatgatt tctgcctatc tgtgtgagaa 300
cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa 360
atgatgacag tcattttata tcaccttcaa ttaccaaca gcttttaata gtctgg 416

```

```

<210> 609
<211> 648
<212> DNA
<213> Homo sapien

```

```

<400> 609
ctgatctctc agcagaaact cttcaaacca gaagagagtg ggggcccaata ttcaacattc 60
ttaaagaaaa taattttcaa cccagaattt catatccagc caaactaacc ttcacaagtg 120
aaggagaaat aaaatccttt acagacaagc aaatgctgag agattttatc accaccaggc 180
ctaccctaaa agagtctctg aaggaagcac taaacatgga aaggaacaac cagtaccatc 240
gaggctagga agaaaccgca tcaactaagg agcaaaataa ccagctaaca tcataatgac 300
aggatcagat tcacacataa cgatattaac tttaaatgta aatggactaa atgctccaat 360
taaaagacac agactggcaa attggataaa gagtcaagac ccatcagggt gctgtattca 420
ggaaacccat ctaccgtgc agagacacac ataggctcaa aataaagggc tggaggaaga 480
tctaccaagc aaatggaaaa caaaaaaagg caggggttgc aatcctagtc tctgataaaa 540
cagactttaa accaacaagg atcagaagag acaagaagg ccattacata atggtaaagg 600
gatcaattca acaagaagag ctaactatcc taaatatata ttgcacc 648

```

```

<210> 610

```

<211> 310  
 <212> DNA  
 <213> Homo sapien

<400> 610  
 ccagctcttc tctgtcacat tcttatttct gactttctgcc tggctttcag tttctgcccc 60  
 accttggtt tttcccagct tgaacctaat agaactccag agtttggggg gagggccagc 120  
 cctttgtttt ctgctcttga agcatattca cacataaaaa gttgtattct cttacacaaa 180  
 ctgttttgag gctcttaccg tagtcgaagg tatcttagat cttccttagt gatctcatta 240  
 agaatatccg aaagtgtata accctcttca acaatctgaa acaaagatca gatccttaag 300  
 agctgagcag 310

<210> 611  
 <211> 254  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(254)  
 <223> n = A,T,C or G

<400> 611  
 ctgtttttac atctaaagca atagactaga actgaattnt cttctacata gtaaaatcac 60  
 aattgtggaa ttacaggaat tctggtgata ttaaggtgaa acaacaaaac acaaaaggcc 120  
 ctattttaac agttgatgtg acagtaagtt ttaatagaac ctgtaacttc attttggaaa 180  
 tgcttctcca ccaaataagg cctttttccc ctatttaagg agccagatgg attgaaagat 240  
 gtggaaatag gcag 254

<210> 612  
 <211> 225  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(225)  
 <223> n = A,T,C or G

<400> 612  
 ctgactatat catgtcacca tcatagccaa tacaacattn ttgccatact tcttaaaaaac 60  
 cttttcgcac aactgatca tgctacttat cagcactttc taacatcctg accaaacaga 120  
 caccacacc tcttatagag tacactgtga gagaataaca tggacttgat atggcatcac 180  
 acttgtttta aagcaaaaaa aaaagaaaaa gaaaagaaaa aaaaa 225

<210> 613  
 <211> 471  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(471)  
 <223> n = A,T,C or G

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cctaatttgt	agattgtgaa	agcagctttt	agtttaactt	atttacagac	cccttataat	60
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tcctcaaacc	cagcaaaagc	gtanagggan	aattanaagg	ccnccccggg	cggcgntaa	300

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gcgtaatcat ggnccatagct gtttcctgtg an 392

<210> 617  
<211> 215  
<212> DNA  
<213> Homo sapien

<400> 617  
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gctgttcctc tttggactac cagttaaatt tacaagggga ttttagagggt tctgtgggca 120  
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180  
ttgtcgctc tacctataaa tcttccact atttt 215

<210> 618  
<211> 433  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(433)  
<223> n = A,T,C or G

<400> 618  
cttttgtnrg cctgttttgt ggactggetg gctctgttag aactctgtcc aaaaagtgca 60  
tggaatataa cttgtaaagc ttcccacaat tgacaatata tatgcatgtg tttaaaccac 120  
atccagaaag cttaaacaat agagctgcat aatagtattt attaaagaat cacaactgta 180  
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ctgctgatat attagaataa tttttaaatg tcatcttgaa atagaaatat gtattttaag 300  
cactcacgca aaggtaaattg aacacgtttt aaatgtgtgt gttgctaatt ttttcataa 360  
gaattgtaaa cattgaactg aacaaattac ccataatgga tttggttaat gacttatgag 420  
caagctggtt tgg 433

<210> 619  
<211> 259  
<212> DNA  
<213> Homo sapien

<400> 619  
ctgcagtgtc cttttttata tcatgctagt gttgagacat acttgactaa cttgggaaca 60  
gttcgatata ttgacaacog tcaacttaag aaaatcaaca gcttttggcc ccagcgtcca 120  
agtgaacttt tcatggagtg cagaatctca aatggacaaa atactttgtc tttttaata 180  
ctgaaaattt aattattagt actatgactg aaagattctt catggctaaa aagctctgca 240  
tcaaactcaa ttcaggagg 259

<210> 620  
<211> 393  
<212> DNA  
<213> Homo sapien

<400> 620  
ccaccaaagc cacacggaga ttctgtcagg cgctgagaca ccacagcctt ttcaatctta 60  
gggaaagaaa tcaagtcata taaattaata tcaacaggta aggtcattga gcaattgtct 120

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ttcaactgtc taagacttta tcacttaaga tcataaacac agaagcaggt cataaaaata 180
gcttttctta aggttttagga gaattttagg gggcacttac ttgataatct gaattttcta 240
gtcagaagtt taaataccac cttttaaaaa cataaaattt aatttgtaac aagttattaa 300
caaagcagta ttgtcgaaag ttttaagctt tctcccaata atttaattac attaattaaa 360
tttttaccat totaatgggt acaaagtaac cag 393

```

```

<210> 621
<211> 563
<212> DNA
<213> Homo sapien

```

```

<400> 621
ctgacaatga taaaattatc tctatatggg caaacgcgtg ctctttgtcg aagaagaaag 60
cttcagcttc atgttccagg tgagttaatt aggcaatgta tgaatgctaa tatctctttc 120
acataatttg cttaagatct gtcttaggac tctcgtctgg cccatatggt tttccaaggg 180
cagaagggcc tctttttgat gagaggcagt tttcagtaac tcttaaagtg ataacagcaa 240
aggagaggag agagaagagt aagacaaatc gaaacattct tcaattgctt cttggccttt 300
tggctaagct caagctcaaa acaggctctc aaggagaaaa tacatcacia agaaaaggat 360
gttttatttc ttacctgtgc ctagaaaaat ttccataaac tctattgggt taattctgta 420
aacttgacca ataccagagt gcttctacc aaggagggtg gctgatgagc gtgacctagg 480
tacatcctag aagaatgtgt gatgaagaag ctttcaccgt gtaaaaagagt tgaaaattat 540
tcaaggagac attatggtct tgg 563

```

```

<210> 622
<211> 505
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(505)
<223> n = A,T,C or G

```

```

<400> 622
tcttaagtgt gtttaataga taaagtaaac tttcctagtc aagggttaga tttttattat 60
ctcttggtgt ccgactttct acttttcaac tttgaacttc aaaaaaacat tactttgctt 120
atcctttgta ctttgatcag gttgtttaga attgtagatc aaaccattct ttgatcattt 180
tattgtttaa atgnntagtt ccatttataa tttttatagc caactctcgg ttattttctgt 240
cttttgagat tgcaattcag aagctgtatg tcgaagtaat ttatgagttg actttttatac 300
ttaggcttct ttaaatacta atagtcaaga attctagagc atctaataaa aaattaactt 360
tcagatcatt ggggaatctgt cctcatttaa atatgtgtaa atgcatttcc acagcaaatt 420
gcttcatgcc ctttgnctat aaggaaatta ttocctgtag ctaatacatt tttcattttg 480
cagnccaaat cttttttgag aaagg 505

```

```

<210> 623
<211> 489
<212> DNA
<213> Homo sapien

```

```

<400> 623
cctactatgg gtgttaaatt ttttactctc totacaaggt tttttcctag tgtocaaaga 60
gctgttcttc tttggactaa cagttaaatt tacaagggga ttttagaggg tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt 180
ttgtcgcttc tacctataaa tcttccactc attttgctac atagacgggt gtgctctttt 240

```

```

agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggtctt ccttgcaaag 300
ttattttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
tggttataat ttttcatctt tcccttgccg tactatatct attgcgccag gtttcaattt 420
ctatcgctat actttatttg ggtaaatggt ttggctaagg ttgtctggta gtaagggtga 480
gtgggtttg 489

```

```

<210> 624
<211> 233
<212> DNA
<213> Homo sapien

```

```

<400> 624
gttggggaac agctaaatag gttgttgttg atttggttaa aaaatagtag ggggatgatg 60
ctaataatta ggctgtgggt ggttgtgttg attcaaatat tgtgtttttt ggagagtcac 120
gtcagtggta gtaataataat tgttgggacg attagtttta gcattggagt aggttttaggt 180
tatgtacgta gtctaggcca tatgtgttgg agattgagac tagtagggct agg 233

```

```

<210> 625
<211> 459
<212> DNA
<213> Homo sapien

```

```

<400> 625
ttcgagaaca tttttaataa ataatgtgac aaaattactt ttctgattat tggattttca 60
gtatgcaaaa ttatggctaa aaataagggg cttcttacat gaacataatg aaaacattaa 120
tcacatggat tgttccctta gtactgcacg ctttttctat ggaacttttt caaattatct 180
aaatgaacaa gtttggtttt ggtgaacacc agcctttttt tttgtggttc agttttgttt 240
ggctttgtct tccactgggg tcagacctga tacttatcta tctatgaata aatgtacatt 300
tttttcttca aatagcacca attataaaat caatgatatt cataaaatga caaaaaagga 360
tcatagaaat ctactagtca gagggcatca tttgtcaatt gaaagcaagt aatgcctcta 420
ttagagattt taaggaaatc ttgtaggttt cgacattgg 459

```

```

<210> 626
<211> 458
<212> DNA
<213> Homo sapien

```

```

<400> 626
cctgatgatt gttttaaaca gtagaaaggg ttcagctaag aactacagtc cactctcagc 60
cctgtcatgt actataggac aagtcttcat tcacaacaaa tggatagcaa caccaatctc 120
gtaacactgg gaaaactgca tacaatattt agaaggaaca ctaatacagc agaactctgca 180
cacaacggag tcaaagatct gaggccaaat cctactacac tttacgactt tgagttggtc 240
acttttctga accttagctt ctccatcagt gtaaaactga tgtaaaataa tataaagcta 300
tatgaaagct gatgtgattt acttgtgaaa tagtatgtgc aaaaggactt tgtaaaatgt 360
aaagcactat gctggttatt gtgatctctg agatatTTTT aaagttgcaa ttcaattcaa 420
caagcattca tttagagtca tgtgcaaggc actgtgct 458

```

```

<210> 627
<211> 393
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature

```

<222> (1)...(393)

<223> n = A,T,C or G

<400> 627

ccatnngaac	gcactcagga	ggtggtttgt	totggatgca	gaaaccagag	atctagtttc	60
tatccacaca	gacgggaatg	aacagctctc	tgtgatgcgc	tactcaatag	atggtacctt	120
cctggctgta	ggatctcatg	acaactttat	ttacctctat	gtagtctctg	aaaatggaag	180
aaaatatagc	agatatggaa	ggtgcactgg	acattccagc	tacatcacac	accttgactg	240
gtcccagac	aacaagtata	taatgtctaa	ctcgggagac	tatgaaatat	tgtactggga	300
cattccaaat	ggctgcaaac	taatcaggaa	tcgatcggat	tgtaaggaca	tttgattgga	360
ccgacatata	cctgtgggct	aggacttcca	gga			393

<210> 628

<211> 233

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(233)

<223> n = A,T,C or G

<400> 628

ctggatttat	aaaatagttg	aatgacaaaa	gaagnntggt	ttgacagtaa	aaaaaagaca	60
ttatggacaa	aatatgcaaa	atgtgcaaag	aaaaaataaa	tttgcattag	aaaggtgggc	120
atttgatctc	tgagccctgt	gccatgtaac	attgccatgt	tctttcactg	ttgtttgaat	180
gttgtacccc	ancccttgac	tctggactta	aggcaagcta	tgactggctt	tgg	233

<210> 629

<211> 450

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(450)

<223> n = A,T,C or G

<400> 629

ccnggacaat	ntaggcagga	gaaggaaata	aagggtatct	aattaggaaa	agaggaagtc	60
aaattgtccc	tgtttgacga	tgacatgatt	gtatatctag	aaaaccccat	tgccctcagcc	120
caaaatctcc	ttaagctgat	aagcaactcc	agcaaagtcg	caggatacaa	aatcaatgga	180
cacaaatcac	aaacattctt	atacaccaat	aacagacaaa	cagaggccaa	atcacgagtn	240
gaactctatt	ccaattgctt	tcaagaaaat	taaaatacct	agggatccaa	cttacaaggg	300
acatgaagga	cctcttcaag	gagaaactac	aaaccactgc	tcaatgaaat	aaaagaggat	360
acaaagaaat	ggaagaacat	tccatgctca	ttggtagctt	gatggggatg	gcattgaatc	420
tataaattac	cttgggcagt	atggacctca				450

<210> 630

<211> 486

<212> DNA

<213> Homo sapien

<400> 630

```

cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga      60
gctgttctctc tttggactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca    120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt    180
ttgtcgctctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt    240
agctgttctt aggtagctcg tctggtttctg ggggtcttag ctttggctct ccttgcaaag    300
ttatttctag ttaattcatt atgcagaagg tatagggggt agtccttgct atattatgct    360
tggttataat ttttcatctt tcccttgctg tactatatct attgcgccag gtttcaattt    420
ctatcgctta tactttattht gggtaaattg tttggctaag gttgtctggt agtaagggtg    480
agtggg                                           486

```

```

<210> 631
<211> 211
<212> DNA
<213> Homo sapien

```

```

<400> 631
tttacataaa tattatacta gcatttacca tctcacttct aggaatacta gtatatcgct      60
cacacctcat atctcccta ctatgcctag aaggaataat actatcactg ttcattatag    120
ctactctcat aacctcaac acccactccc tcttagccaa tattgtgcct attgccatac    180
tagtctttgc cgcctgcgat gcagcggtag g                                           211

```

```

<210> 632
<211> 293
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

```

```

<400> 632
cagcgcaagt aggtctacaa gacgctactt cccctatcat agaagagctt atcacctttc      60
atgatcacgc cctcatagtc atttttcctt atctgcttcc tagtcctgta tgcccttttc    120
ctaacactca caacaaaact aactaatact aacatctcag acgctcagga aatagaaacc    180
gtctgaacta ngctgccgcg catcatccta gtccctcatc cctcccatc cctacgcctc    240
ctttacataa cagacgaggt cnacgatccc tcccttacca tcaaatcaat tgg                                           293

```

```

<210> 633
<211> 263
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(263)
<223> n = A,T,C or G

```

```

<400> 633
nggtctgcag tgtccctttt tatatcatgc tagtggtgag acatacttga ctaacttggg      60
aacagttcga tatattgaca accgtcaact taagaaaatc aacagctttt ggccccagcg    120
tccaagtga cttttcatgg agtgcagaat ctcaaagtga caaaatactt tgtcttttta    180
aatactgaaa attnaattat tagtactatg actgaaagat tcttcatggc taaaaagctc    240
tgcacaaac tcaattcagg agg                                           263

```

<210> 634  
 <211> 491  
 <212> DNA  
 <213> Homo sapien

<400> 634  
 cctactatgg gtgttaaatt ttttactctc totacaaggt tttttcctag tgtccaaaga 60  
 gctgttcctc tttggactaa cagttaaatt tgcaagggga ttttagagggt tctgtgggca 120  
 aattttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt 180  
 ttgtcgccctc tacctataaa tcttccact attttgctac atagacgggt gtgctctttt 240  
 agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag 300  
 ttattttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360  
 tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt 420  
 ctatcgcccta tactttattt gggtaaatgg tttggctaag gttgtctggt agtaagggtg 480  
 agtggggttg g 491

<210> 635  
 <211> 270  
 <212> DNA  
 <213> Homo sapien

<400> 635  
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60  
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120  
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180  
 gcatacagga ctagggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240  
 ataagctctt ctatgatagg ggaagtagcg 270

<210> 636  
 <211> 383  
 <212> DNA  
 <213> Homo sapien

<400> 636  
 cctactatgg gtgttaaatt ttttactctc totacaaggt tttttcctag tgtccaaaga 60  
 gctgttcctc tttggactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca 120  
 aattttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt 180  
 ttgtcgccctc tacctataaa tcttccact attttgctac atagacgggt gtgctctttt 240  
 agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag 300  
 ttattttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360  
 tggttataat ttttcatctt tcc 383

<210> 637  
 <211> 537  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(537)  
 <223> n = A,T,C or G

<400> 637

```

ttttaatcct ggggtatata ggcagnactt taaattgcaa agtcttccgg gcctattttc      60
ctctacattt ttgtaattaa ctctgggggc ttacttgttt tggcagtagt gaaatcaaag      120
gagctgggtc ttctttttct ccaattattt tcatatgaaa gcacctacaa ttagcctggt      180
agtcctattc agatacatca aatatcagtg aatgctttac tattcgcaaa ttttaagcatc      240
tttgttttac ataaaattag agtatgaaaa ccagtggttca attttttatc ttgttgagct      300
tgtaaaatgc cagcaattta aaactaggac ttttcccccc ataagccaag gaggtagaat      360
tactaataca agggttaaag aaggtagatt ttgttttcaa tttttgggta atattagaaa      420
gattcttccc acagggaaga actagcaagt gtcccaattt tttccaaacg ttggggaggg      480
gaaaattcac tgtatcatga aaccctaagg gtttgngtgc acttcctgct ttttagg      537

```

<210> 638

<211> 445

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(445)

<223> n = A,T,C or G

<400> 638

```

ccagcagaac acagnagtga tttggtcccg tttgttcccc agtgggggtat ctatccttgt      60
gcaggggcaca agcctacatg gtggctctgg tcatatcatt agaaaataga cagaaatggg      120
ctgcacacca gaatgaatga attgaattga aaggaggagg tgatggtgga aaaaaaaaca      180
agtcaattca tttagactgg tagaaccaga accactgtgt agtacatcca aacgggttaaa      240
attccctgga agatgttaca taatcctatc atggtgttta tttatggaaa tctattttaa      300
aaattttatg taatactgca cagtctgttt gcatgatgcc ttgtacgtag tagcaactca      360
gtaaaatactt tttgaatgaa ctagtatagt attttaatta gctagtcttc gtgtactggg      420
acaaaagaac agtgtcatct tacag      545

```

<210> 639

<211> 584

<212> DNA

<213> Homo sapien

<400> 639

```

gottgagtat tctatagtgt cacctaaata gottggcgta atcatggtca tagctgtttc      60
ctgtgtgaaa ttgttatccg ctacacaattc cacacaacat acgagccgga agcataaagt      120
gtaaagcctg ggggtgcctaa tgagttagct aactcacatt aattgcgttg cgctcactgc      180
ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg      240
ggagaggcgg tttgcgtatt gggcgctctt ccgcttcttc gctcactgac tcgctgcgct      300
cggtcgttcg gctgcggcga gcggtatcag ctactcaaaa ggcggttaata cggttatcca      360
cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa aggccagcaa aaggccagga      420
accgtaaaaa ggccgcgttg ctggcgtttt tccatagget ccgccccctt gacgagcatc      480
acaaaaatcg acgctcaagt caagaggtgg cgaaaccoga caggactata aagataccag      540
gcgtttcccc ctggaagctc cctcgtgcgc tctcctgttc cgac      584

```

<210> 640

<211> 404

<212> DNA

<213> Homo sapien

<400> 640

```

ccataggaac gcactcaggc aggtggtttg ttctggatgc agaaaccaga gatctagttt      60

```





<210> 644  
 <211> 688  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(688)  
 <223> n = A,T,C or G

<400> 644

cctatttatt	tgttttggcc	ctggatcttt	cctaatacaca	attatatattc	tttattttttg	60
cctttgagca	gtttcattta	tcctttgtggg	caggggaagat	taaatatgaa	attcagtgcca	120
gtcatitttg	tactggtttag	ctttagtttg	aggcaagtaa	aaattttttga	ttaaaatttag	180
tttcttaaaa	ttatgccctt	gctttacca	ataatcaa	at	ataagggtat	240
gtaactttgc	atittgaaga	acaaaccaat	aat	tttctat	gagccctact	300
taaagaagac	cttcctaaga	gacaattagg	gatgagtttg	attaatggga	aatagctcta	360
ggttagatta	ttttaaattc	catacaccaa	gtgatttaac	cacagtggca	gtggcagctt	420
ctgaaccgtc	aagtatgaac	atcacttaaa	aattaaaaga	tgcttaataa	taaactctta	480
attttcatta	agccaatctg	taattcagaa	gaaaagcata	tgtctgccat	gggactattg	540
cagtgcgtct	ccatcagtg	taacacagga	gagatatgtt	at	ttttatgtg	600
tttgggatat	gtggtagtaa	gaacatgtca	agagtgtctt	tcttcaaacc	tgncagctca	660
actgangaaa	gacaggtact	tccattgc				688

<210> 645  
 <211> 484  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(484)  
 <223> n = A,T,C or G

<400> 645

ccaaatgtgt	ctccagccca	cacttccagg	tggcagagcg	agctctctat	tactggaata	60
atgaatacat	catgagttta	atcagtgaca	acgcagcgaa	gattctgccc	atcatgtttc	120
cttccttgta	ccgcaactca	aagaccatt	ggaacaagac	aatacatggc	ttgatataca	180
acgccctgaa	gctcttcatg	gagatgaacc	aaaagctatt	tgatgactgt	acacaacagt	240
tcaaagcaga	gaaactaaaa	gagaagctaa	aatgaaaga	acgggaagaa	gcatgggtta	300
aaatagaaaa	tctagccaaa	gccaatcccc	aggtactaaa	aaagagaata	acatgaaaac	360
gccaggggtt	acttgaatgt	ttttataaga	taggaatata	tgtcttcacc	atgggggggg	420
gtctcgatt	tactaacgt	tgtatatgaa	aatgggtgcn	ataaaaagta	cttttaaac	480
ttgt						484

<210> 646  
 <211> 447  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(447)

<213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(300)  
 <223> n = A,T,C or G

<400> 649  
 nggtgaagat agaanaaata taagcgaaat tggataaaat agcactgaaa aaatgaggaa 60  
 attattggta accaatttat tttaaaagcc catcaattta atttctggtg gtgcagaagt 120  
 tagaaggtaa agcttgagaa gatgagggtg tttacgtaga ccagaaccaa tttagaagaa 180  
 tacttgaagc tagaagggga agttggttaa aaatcacatc aaaaagctac taaaaggact 240  
 ggtgtaattt aaaaaaaact aaggcagaag gctttggaag agttagaaga atttggaagg 300

<210> 650  
 <211> 498  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(498)  
 <223> n = A,T,C or G

<400> 650  
 ngtnctgnta aacagaaggg tacaangccc ttctggcttt aagcagtcac aggaatgtga 60  
 cagacattcc tcttagggag cgctctctcc taggggtttc tcactctgtc cacactgagt 120  
 ggatgtaatg ctatttttaat cctgctgtgg cccccaatac tagtacttgt ccataccttc 180  
 ttgcattttt agcgtctgct ctgtgggggt gttaggccct ggcaactcca ggaactagt 240  
 ctaaaagctgc atctntctct cccctctagg gatcgataaa gtttcaactgc agaaagtctc 300  
 cactgcggta tgcgtgacac tgccctgaac ctccacccta cagcattaca ggctttaatc 360  
 agattctgct ggaaagacac aggctgatcc acgtgacctc ttctgccttc actgggctgg 420  
 ggtgatcctt ggtgcctttg tttccacaag gccttttctc gccccctgcc ttgccaaaga 480  
 catttaatca gcacacag 498

<210> 651  
 <211> 654  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(654)  
 <223> n = A,T,C or G

<400> 651  
 ctgagggtcc ccaggtttct aaagctctca ggacgagaaa gtaggtccca agataaggag 60  
 cctaaagggc ttttttcttt ctgtgtattc cttcttggcc tccaacatgg gtacagtcac 120  
 aagagcatgt aacagagaag aaggactana cctaccattt tctggataaa gaattggaaa 180  
 gaggatccac aggtaaccaa aaagtaccag ggaaatggca gagaaggaaa acctcaggag 240  
 accaacctca taagtgggat ttattagncc ctgggctcaa atccaaattg tacatgaata 300  
 tgtctggtcc tagatagggt accgaagact ttgaaagtga attttgggat atcattgccc 360  
 agattccaga ctggnatttg tgtgacacaa catacaggat atatctgaat agtgctcaga 420  
 agagtttgaa aatgcaaatg atattaaaat aaagatgaaa aagagaaaagc tggtcagaac 480  
 ttgtggacat aacccttctg gatctgtngc ctgattaaaa aatagttgat attctcgaat 540  
 gaattaaaac aagatttaga gactgagcat ggtagctnat tcttgtaatc caacnctttg 600



```

ccattataat tttataaac cattaccctt taaattctac cgattataag cagcgtaaaa      60
gtaactatat aaagcaaaca tcgcaaagga actctgcagg agctcttaat tcctttatgt      120
agctatcata aaattcactt tcctgaagac atttactctc attcacttcc aaactccaaa      180
cctttttctg gtagcaccac ttttggtttt aatagaaaga tgagttcata tctgtacatc      240
tctccaaagc tctaaggaat gagaaaagga tcctagtata ttgaaattac tgatgtttaa      300
tacctctgcc ttttactaa aagccattta atatttttaa agtcaaaact tgacatacag      360
gtattttataa ggaatctcca tgactctgaa ggaatgaaat tgatgtagggt agctttggct      420
atgtaaagac atagtagagg acaattactt aaagaagagt tttcttttga ggatttgtag      480
atttgactaa gcag                                         494

```

```

<210> 656
<211> 477
<212> DNA
<213> Homo sapien

```

```

<400> 656
cgcgttactg tacataattgc tagcaggaga cacttggaat tactaaacaa atactggaat      60
tcacattaca gacagacgaa accaacaatg atgccacaca taacttcctt tgtagtttca      120
cagagggcct atttgtggtt gtcagggtgg ggtcatacat tgcttgcaga aatggcctga      180
tcatagctct atgaaacaat gaattcggaa tgaaatctta ccatgacacc tctctgtagg      240
aaagaaatgt tgcttcacgt gtgctaagtt gagataataa tatttcacat atttatatac      300
agagaatcac tctcaaattt aaccacaagt aagcaatagg atttgggggt gacttgtaca      360
catttctaac aacacttttc ttttttctag aggtcactct caaacactga tatatcacta      420
tagtttgagt gtagggattc agtaatcaaa ggttggttatt gcaaaagagc caggcag      477

```

```

<210> 657
<211> 576
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(576)
<223> n = A,T,C or G

```

```

<400> 657
cctctacctg tanatcacta tttttctaaa gacaatttgg tgttttgaag ataaatgtca      60
ttagtctatg ataatagcat cataggacaa ttagccattt tagacttgac catattttct      120
cttttttagca tatagccatc ttgatattta ggtgggagac tactccaatg gagcaacagt      180
ttcattttac atgattggat ttagaaattt acaaatttta aactcataag aattctaaat      240
aatttgaaaa tggaacattt tgaccacag tctagcagca taaatacatt tataaaatac      300
ttcattgttg atcttaggtc attgattttaa aacagaattt ggtgactatg ggcagggtgga      360
ggggggccagt gaggaaggta taaaagagaa atctttatga attgtgttca gattgatttt      420
gtataaacat aatatattca tggttgtatc tcttatttat aatacccaac taacatgaag      480
gtggtccaag ggaaggatca atatttttaa taacatattt gcttaaaata tcatacagtg      540
gctgcttcat aaaaaatctt ataaactttt attacc                                         576

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<210> 658
<211> 344
<212> DNA
<213> Homo sapien

```

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<220>
<221> misc_feature

```

<222> (1)...(344)  
 <223> n = A,T,C or G

<400> 658  
 cctgaaaaga aagntgctct tatggactct tgcattgtaa gactatgtct tcacatcatg 60  
 gtgcaaatca catgtaccca atgactccgg ctttgacaca acaccttacc atcatcatgc 120  
 catgatggct tccacaaagc attaaacctg gtaaccagag attactgggtg gctccagcgt 180  
 tgtttagatgt tcatgaaatg tgaccacctc tcaatcacct ttgagggcta aagagtagca 240  
 catcaaaagg actccaaaat cccataccca actcttaaga gatttgcctt ggtacttcag 300  
 aaagaatttt catgagtgtt cttaattggc tggaaaagca ccag 344

<210> 659  
 <211> 230  
 <212> DNA  
 <213> Homo sapien

<400> 659  
 ctgctttccc tgctaaacag ttccagagca aaagcagcaa aaagaaaata tgggagggat 60  
 atgggcaacg tatactcgaa cgtacgcaga gaagagagta cggtttagctc taatatttct 120  
 cattgaactt ggtggatgtt gccttccttg catataagggc catagtgcctt ttttgggagc 180  
 gctagaatat ccatccactt gacagtgacc acaaaatagg ctgtttccag 230

<210> 660  
 <211> 80  
 <212> DNA  
 <213> Homo sapien

<400> 660  
 ctgggccttg ttaaaactga tcaccacttt ggagagatcg actggaggct cctgggtgtt 60  
 ctgagggggc tgggggacag 80

<210> 661  
 <211> 535  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(535)  
 <223> n = A,T,C or G

<400> 661  
 ctgaaccata tctgattaac tctttggtct ctgttattgg aacaaaaccg acgctatgcc 60  
 tgcagcggcc agactgcaac caaaaacaca gtttgggggc agaagacatt aaaaatcaca 120  
 ataaaatagg atgaatgttc taagtcacgc aactgaatca aggcacctt ttttttcaaa 180  
 agcaaaaagt tgtttaacaa tattccagaa tagtagatac ttcaaaaacc agattacagt 240  
 atatatcatt ttgctgcaca ttttagtcta ttttctgtat acatagtcac acattcttta 300  
 ccctctccca acttatacat gctttatccc cccagtcatg tgctatgtag gtataaaaaa 360  
 ataaagtgtt atctaaacaa gtgatttaaa aaaaaaaact aacgaatgcc ncnatnataa 420  
 cncatgaactt gtttcctnt tgaaggacat tggaaatgtt accgaggttn nttaacctng 480  
 gccgcaaccn cncatggggc naattccagc nactggggg ccgttactag gggat 535

<210> 662  
 <211> 257

<212> DNA  
<213> Homo sapien

<400> 662  
cctgactaaa gcacatatca cactccctac acttccatgt tttctctccc atgtggaccc 60  
tctgatgcat atcaagattc aagcgctgt tgtagecctt cccacagtcc tcacatttgt 120  
atggcttttc tacactgtga actttttctt gcactttaga gaatgaattc tgtacaatgt 180  
tcttcccatg ctgctcacat ttgagaggtg tttctctgct gtggcgctctc tgatgggtca 240  
gacgagttga ggaccag 257

<210> 663  
<211> 516  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(516)  
<223> n = A,T,C or G

<400> 663  
ccaattatag gtatttttatt ttttaaagat tagagngttc ttgaagctct ttctatttct 60  
ttgtcaatga actaaacatt ggcaaatatg tagggtttcc cacataagaa cattattaac 120  
atcaaaatag aaagctggtg gtagaaataa tgattgggaa cacagagtct ctactcagcg 180  
ttctacttct gccataccat aactttgtga tctcacgaaa tatctctcca tgttctcctc 240  
cctatgtata gttctgtcat ttttcaataa gagctttttg ctttaattatg aagtactagt 300  
tactataacc attattttga gcttcatgta aatcaagaac acatggactc cacttgcaaa 360  
acattgaaaa ttagttagg gattgggggc aaaaagcaac attttaaaat gtgtaaagac 420  
aatgagtaag caacaaagtg tccaattttt taggcgaaag ttgcatatgt caggaaaagg 480  
caggattaag taatagagaa tttgaatgat aactgg 516

<210> 664  
<211> 212  
<212> DNA  
<213> Homo sapien

<400> 664  
gtccgaggag gttagttgtg gcaataaaaa tgattaagga tactagtata agagatcagg 60  
ttcgtccttt agtgttgtgt atggctatca tttgttttga ggttagtttg attagtcatt 120  
gttgagtggt aattagtcgg ttggtgatga gatatttga ggtggggatc aatagagggg 180  
gaaatagaat gatcagtact gcggcgggta gg 212

<210> 665  
<211> 408  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(408)  
<223> n = A,T,C or G

<400> 665  
atccaggggt ncccggtngc tgcnngggaaa cctccagcct tgttcttcaa accactcagc 60



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tcattgtgttt tgcgctgact agtactgaat aatacaacca ctcttattta atgttagtat 120
tattttatttg acaactcagt gtctaacagc ttgatatgca ggtccttgca tcctacattt 180
cttttaggaag ttaccatttt gtaactttta aaacaggaaa aatatcagtt ggcaaatgca 240
atctttttttt tttttaagct aaaggggggg naacngnaan naaaatnttt ntgangtnng 300
gtctataagc acccttgang ggatntgtta aaagngncat naanggggga ttctcntttt 360
gcaaaaaaat ntaannatca atttatanan ctttattttt nactttnt 408

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<210> 666
<211> 635
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(635)
<223> n = A,T,C or G

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<400> 666
ctgaagnaca agggtcaggc aaaaataaga tcacaatcac caatgaccag aatgcctga 60
cacctgaaga aatcgaaagg atgggttaat atgctgagaa gtttgctgag gaagacaaaa 120
agctcaagga gcgcattgat actagaaatg agttggaaag ctatgcctat tctctaaaga 180
atcagattgg agataaagaa aagctgggag gtaaaccctc ctctgaagat aaggagacca 240
tggaaaaagc tgtagaagaa aagattgaat ggctggaaag ccaccaagat gctgacattg 300
aagacttcaa agctaagaag aaggaactgg aagaaattgt tcaaccaatt atcagcaaac 360
tctatggaag tgcaggccct cccccaactg gtgaagagga tacagcagaa aaagatgagt 420
tgtagacact gatctgctag tgctgtaata ttgtaaatac tggactcagg aacttttggt 480
aggaaaaaat tgaaagaact tancctctga atgtcattgg aatcttcacc tcacagtggg 540
gttgaaactg ctatagccta agcnggctgt ttactgnttt ncattagcag gtgctcacca 600
tgtctttggg gtggnggggg ggagaaagaa agaan 635

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<210> 667
<211> 388
<212> DNA
<213> Homo sapien

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<400> 667
gaaggtgata taaaatgact gtcattcatt ggagtgtgca gtacagttac ttcattgttc 60
tcagggttag aacaatttcc cctgtaagtt ctcacacaga taggcagaaa tcataactaa 120
ttttgggttaa tcactatggc agccgttgaa gaatttaaga gaacctgcca gtaagatttg 180
gaataagatt ctatattatt gcatccacag aaaagaatgt actgatatac tataaactct 240
aggagaaaac ttaattgaaa tagtgttatt aagtgttgaa agtaccataa aaatataagg 300
gaaaataagc tttcctagaa tttttcagtg ttctagtttt taaacagtga tgttttttat 360
taacctattt catccattca aagacagg 388

```

```

<210> 668
<211> 498
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(498)
<223> n = A,T,C or G

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&lt;400&gt; 668

tgatcttaac	aaaattcgta	gcagtggaac	cttgaaatgc	atgtggctag	atttatgcta	60
aaatgattct	cagtttagcat	tttagtaaca	cttcaaaggt	ttttttttgt	ttgttttcta	120
gacttaataa	aagcttagga	ttaattagaa	gaagcaatct	agttaaattt	cccatttgta	180
ttttattttc	ttgaataactt	ttttcatagt	tattcgttta	aaaagattta	aaaatcattg	240
cactttggtc	agaaaaataa	taaatatatc	ttatgaatgt	ttgattccct	tccttgctat	300
ttttattcag	tagatttttg	tttggcatca	tgttgaagca	ccgaaagata	aatgattttt	360
aaaaggctat	agagtccaaa	ggaatgttct	tttacaccaa	ttcttccttt	aaaaatntct	420
gaggaatttg	ttttcgctt	actttttttt	cttctgtcac	aatgctaagn	ggtatccgag	480
gtntttaata	tgagattt					498

&lt;210&gt; 669

&lt;211&gt; 622

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 669

ccttagccaa	agaatgcagt	ggagccttcc	cccttcaact	gcattgtgaa	tgaataccaa	60
ttaacagcat	aaaaattaat	agtcccatat	cagatctgga	aggggtttct	ggggctgtct	120
gatgtcccta	tcctgttgta	gtgaacacaa	tagcagaaaa	ttctttctgg	gtccatctgc	180
tataaagtct	tggtaaaaca	gcattactat	gaagaggatg	aactcaccta	ccttcagatg	240
gaggaaaagt	gaaaaggact	taggctttag	tcctccatga	cttttcttaa	gcactaccta	300
cctgtaataa	gctgagtgca	aaaggatgcc	gaagaaaatc	tgacccaga	agctgttaga	360
aagcactgca	gagaacaggg	tatgaagaaa	ataaagagtt	cttaataaac	ccttaagatt	420
ctttgttcaa	ggtaaccttg	ccaaaagggc	agagttaggtg	gcaaagagtt	gcttttaatc	480
tagctctaca	ctgcatttga	aaataaaaatt	tgcccatttt	gaatatattg	tttataatta	540
aatgtgcttt	ttacactgca	ggtcaatata	aaaactgggt	agtaaatttc	cagcgagcat	600
ttatgttcat	ttgctcacag	ca				622

&lt;210&gt; 670

&lt;211&gt; 477

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 670

ttgggccctc	tagatgcatg	ctcgagcggc	cgccagtgtg	atggatatct	gcagaattcg	60
cccttgccgc	ccgggcaggt	gatggatgag	gagcaaaaac	tttatacggg	tgatgaagat	120
gatatctaca	aggctaataa	cattgcctat	gaagatgtgg	tcgggggaga	agactggaac	180
ccagtagagg	agaaaataga	gagtcaaacc	caggaagagg	tgagagacag	caaagagaat	240
atagaaaaaa	atgaacaaat	caacgatgag	atgaaacgct	cagggcagct	tggcatccag	300
gaagaagatc	ttcgaaaaga	gagtaaagac	caactctcag	atgatgtctc	caaagtaatt	360
gcctatttga	aaaggttagt	aaatgctgca	ggaagtggga	ggttacagaa	tgggcaaaat	420
ggggaaaggg	ccaccaggct	ttttgagaaa	cctcttgatt	ctcagctctat	ttatcag	477

&lt;210&gt; 671

&lt;211&gt; 127

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 671

gtgtgtgtgt	ctacttgggc	gtgtttaacg	tgtgcgtttg	tgtctgcgtg	tgcattgtgtc	60
tgtgtgtgcg	cgtgtatttc	agtttgggtt	gccggatccc	atatgattgc	gtgcctgtgt	120
acctgag						127

T0E050" 92964860

<210> 672  
 <211> 400  
 <212> DNA  
 <213> Homo sapien

<400> 672  
 gggtctgcac agctatgtta acagcatcct tataaccagga gtaggaggaa agacacgact 60  
 ggaaaagcaa ttcaagctgg tcacacagtg taatgcaaaa tatgtggaat gtttcagtgc 120  
 tcagaaagag tgtaacaaag aaaagaacag aaactcttca gttgtgccat ctgagcgtgc 180  
 tcgagtgggt cttgcacccat tgcctggaat gaaaggaaca gattacatta atgcttctta 240  
 tatcatgggc tattatagga gcaatgaatt tattataact cagcatcctc tgccacatac 300  
 tacgaaagat ttctggcgaa tgatttgga tcataacgca cagatcattg tcatgctgcc 360  
 agacaaccag agcttggcag aagatgagtt tgtgtactgg 400

<210> 673  
 <211> 600  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(600)  
 <223> n = A,T,C or G

<400> 673  
 ctggcgttgc tcattagtga atgtatgaca gcaggatgtg aggggatgcc caggagtcag 60  
 tgttagcatt gtcactctgag atcactgcta ttaatatcat ccattaattt attagtgagc 120  
 ttactatat gcagactggg agataaggag aaaatctgtc acattctctc tagctaatac 180  
 gatcagctac caattaatga gattctgaat gaaatatcaa tatgtgtttt tctaatttgg 240  
 aocaggaca gagctgttgc ttgtcataga gaaaaacaat aatgcttaaa catagcacat 300  
 tataattaaa gcaggtttct cacatacttt tcattttato ctttggataa ttttgtgagg 360  
 aacgcaggac accaacttcc ctttcataga tacaatcccc atgctattga tgaaagtgtt 420  
 tttgaatgaa gccatacaac aaataactga tcaaagtggc attacaccaa aatttcttag 480  
 taggactcct gcatagaatg tttagataga cgtgaaaagt ttgttcanga ggaccagcaa 540  
 gagagaaact gggttctttg ggagggtttc ggtgctacat ttataccctn catcagagtn 600

<210> 674  
 <211> 140  
 <212> DNA  
 <213> Homo sapien

<400> 674  
 ggtgggttgg gtaaagttagt gaggcaggag tccgaggagg ttagttgtgg caataaaaaat 60  
 gattaaggat actagtataa gagatcaggt tcgtccttta gtgttgtgta tggctatcat 120  
 ttgttttgag gttagtttga 140

<210> 675  
 <211> 245  
 <212> DNA  
 <213> Homo sapien

<400> 675  
 gttgggttgg ttggtgtaaat gagtgaggca ggagtccgag gaggttagtt gtggcaataa 60  
 aaatgattaa ggatactagt ataagagatc aggttcgtcc tttagtgttg tgtatggcta 120

tcatttggtt tgaggtagt ttgattagtc attgttgggt ggtaattagt cggttggtga 180  
 tgagatattt ggaggtaggg atcaatagag ggggaaatag aatgatcagt actgcggcgg 240  
 gtagg 245

<210> 676  
 <211> 621  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(621)  
 <223> n = A,T,C or G

<400> 676  
 ctgtcccccag ggnaaatagt ngaattcaac taagatctgt taataagatg tcagaataac 60  
 taataaatttt attaggaaaa aatcatgttt taaatttcaa aatgacactt atttgtcaag 120  
 taatatgate ttggaaaatt ttaaagaaaa ataatcctac ttataaacta cttttttata 180  
 attgttttca gaaaaaaagt ttacagtctt aaggaaaata ttcagggtcta tcatatgggt 240  
 tgacagattt tttaaaagtt atttttggta aggtcttctt tttagaaaaa attaatctca 300  
 agggtttttt gtaccactat aatctctaat acttactcag aattactgtg tatttactta 360  
 atttcttatt atgtgcctta ttatgtgctt aagatacaat aggttagagt ttaatctaaa 420  
 tatcttgaaa gctatatattt gggcttggta agcattttgt tttttctttc tctgttttgg 480  
 taaggattta aaattttttt cattgcaatt ttaagtgggt ttcaataagt aatagttttt 540  
 atcaaatattt tgggtgcttgg tgcagagacg gcgtaggggaa ggggtgaatgg ttttgggaat 600  
 aattcagtagc acacctgggg g 621

<210> 677  
 <211> 210  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(210)  
 <223> n = A,T,C or G

<400> 677  
 ttacataaan atattatcag catttaccat ctcacttcta ggaatactag tatatcgctc 60  
 acacctcata tcttccctac tatgcctaga aggaataata ctatcactgt tcattatagc 120  
 tactctcata accctcaaca cccactccct cttagccaat attgtgccta ttgccatact 180  
 agtctttgcc gcctgcgaag cagcggtagg 210

<210> 678  
 <211> 383  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(383)  
 <223> n = A,T,C or G

<400> 678

05849636\_05849636

gtaggagtca ggtagttagg gttaacgagg gtggtaagga tggggggaat tagggaagtc 60  
 agggttaggg tggttatagt agtgtncatg gttattagga aaatgagtag atatttgann 120  
 aactgattaa tgtttggggn tgagtttnta taccacagcc anaattntat gatgnaccat 180  
 gtancgaaca atgctacagg gatgaatatt atggagaagt antctanttt gaagcttagg 240  
 gagagctggg ttgtttgggt tgnnggctcan tgtcagttcc anataataac ttcttgggtct 300  
 aggcacatga atattgttgt ggggaanaga ctgataataa aggtggatgc gacaatggat 360  
 ttacataat ggggtatna gtt 383

<210> 679

<211> 371

<212> DNA

<213> Homo sapien

<400> 679

aaaatgaaaa tattgacaag agtttcagat agaaaatgaa aaacaagcta agacaagtat 60  
 tggagaagta tagaagatag aaaaatataa agccaaaaat tggataaaat agcactgaaa 120  
 aaatgaggaa attatttgga accaatttat tttaaaagcc catcaattta atttctggtg 180  
 gtgcagaagt tagaaggtaa agcttgagaa gatgaggggtg ttacgtaga ccagaaccaa 240  
 tttagaagaa tacttgaagc tagaagggga agttggttaa aaatcacatc aaaaagctac 300  
 taaaaggact ggtgtaattt aaaaaaaact aaggcagaag gcttttggaa gagttagaag 360  
 aatttgaag g 371

<210> 680

<211> 176

<212> DNA

<213> Homo sapien

<400> 680

cctaggattg tgggggcaat gaatgaagcg aacagatttt cgttcatttt ggttctcagg 60  
 gtttgttata attttttatt tttatgggct ttggtgaggg aggttaagtgg tagtttgtgt 120  
 ttaatatattt tagttgggtg atgaggaata gtgtaaggag tatgggggta attatg 176

<210> 681

<211> 152

<212> DNA

<213> Homo sapien

<400> 681

ctggagatgg atatgagact agtcaagatg tgaatgctaa ttggagagaa atataatttt 60  
 aggaagatgc acattgatgt ggggttttga tgtgtctgat ttgactact caagctctgt 120  
 ttacagaaga aaattgaatg gcgaggggtgt gg 152

<210> 682

<211> 141

<212> DNA

<213> Homo sapien

<400> 682

ccagtgttg cttgccgtgg tttagtgatt ggggtgttaga aataaaaaact caggtctatt 60  
 tcttaccagt cagtaacaat ttttagagaa tgtacttggt atataatata tggacttcag 120  
 gaactttgtt ggggtggggg g 141

<210> 683

<211> 308



ntggatttat aaaatagttg caatgacaaa agaagtatgt tttgacagta aaaaaaagac 60  
 attatggaca aaatatgcaa aatgtgcaaa gaaaaaataa atttgcatta gaaaggtggg 120  
 catttgatct ctgagccctg tgccatgtaa cattgccatg ttctttcact gttgtttgaa 180  
 tgttgtagcc cagcccttga ctctggactt aaggcaagct atgactggct ttgg 234

<210> 687  
 <211> 315  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(315)  
 <223> n = A,T,C or G

<400> 687  
 nngtctgtga aaaactcttt ggatgattct gccaaaaagg tacttctgga aaaatacaaa 60  
 tatgtggaga attttggctt aattgatggg cgccctacca tctgtacaat ctctgtttc 120  
 tttgccatag tggctttgat ttgggattat atgcacccct ttccagagtc caaaoccggt 180  
 ttggctttgn gtgtcatatc ctattttgtg atgatgggga ttctgaccat ttatacctca 240  
 tataaggaga agagcatctt tctcgtggcc cacaggaaag atcctacagg aatggatcct 300  
 gatgatattt ggcag 315

<210> 688  
 <211> 522  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(522)  
 <223> n = A,T,C or G

<400> 688  
 ctgaattaga ggaggagaaa agaagccatt nnggagtact ttaattgttt agatgtgaga 60  
 ggctgaatgt ttgggttaag atgttagttg tcagaatcat gagaaaagg ttttaagcaag 120  
 gggcatttct aattctaaaa ataacaacta ctgttattta ttgagcacta tctttttgtt 180  
 gggtagtgc taaagtactt gattttathtt ttaaaacctt acaaaaaact tacaaggtag 240  
 gtactgaaag attcagtaat ttgttcaaag tcacacagca aataagcaac agactctgga 300  
 tttgaaccag gcaatcctag agcctgtact gttagtaatt atactttagc acctgtcaag 360  
 aattcctgtt gagtgtcaag aagcaancac caagttagga tttaaagcaa acatgattga 420  
 agaatactgt ggtgtggttg acagtagtgc ctaagtctgt tttcagagtg aaaaatgaca 480  
 aattagattt taagtatggt ttggagataa tatcaggaca gt 522

<210> 689  
 <211> 158  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(158)  
 <223> n = A,T,C or G

<400> 689  
 tctcaactta ntntnatacc cacaccacc caanaacagg gtttgtagg nattgtttgc 60  
 attaataaat taaagctcca tagggcttc tcgtcttgct gtgtcatgcc cgcctcttca 120  
 cgggcaggtc aatttcactg gttaaaagta agagacag 158

<210> 690  
 <211> 300  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(300)  
 <223> n = A,T,C or G

<400> 690  
 tagaactcgt atttttaaac ttctattctc tanccttttc cactacatta tgacacaaga 60  
 ccctgcagaa agtcgtctgg aaaatatcag accatctctt acttgctcca tccaatctta 120  
 catogaatta tatgcacct taaaaagtta tttggagttt taaaaaactc tattagccca 180  
 aattacctga aataaactcc tggcttggtc ccctaattgt tataaaaaat tgattgaaaa 240  
 tattcatttt aaaaatgaag ntcttgaatt tatttaaat actgtcttgc agtgagttgg 300

<210> 691  
 <211> 305  
 <212> DNA  
 <213> Homo sapien

<400> 691  
 ctgttcagaa agctcattgg acctgggttt gaaaataaaa caaagttaaa accctgggag 60  
 gagttattgt gcagtgtgga gtactcaggc tttcttataa agaaaaaaaa agttatctgg 120  
 taccaaagtg tgcaacctac agaccctcag gtactgcctt gtgacttctc tgtatgacat 180  
 cacaaggctg ccaagtgcct gtttttctag aactaggagt tggtagggtt tggctagtgc 240  
 tgaaaccatg cataggattg gtttactaaa ttaaaacctt attacgtacg tcctccaaaa 300  
 gacag 305

<210> 692  
 <211> 582  
 <212> DNA  
 <213> Homo sapien

<400> 692  
 caggaaatgg ataaccattt taactgtatt ttttgcagcc cgtaccttct tgggaataca 60  
 attgtctaac tttttatttt tgggtctggct gttgtggtgt gcaaaaactcc gtacattgct 120  
 attttgccac actgcaacac cttacagatg tggagatgt gaaatttgct atcaattatg 180  
 actaccctaa ctctcagag gatttatattc atcgaattgg aagaactgct cgcagtagca 240  
 aaacaggcac agcatatact ttctttacac ctaataacat aaagcagggtg agcgacctta 300  
 totctgtgct tcgtgaagct aatcaagcaa ttaatcccaa gttgcttcag ttggtcgaag 360  
 acagagggtgc aggttaaggat gactgatagg aaatgttggc agttacgagt cacatcgttg 420  
 tctacaaatc catttaaatg gtattggagg gtgagtaaaa ccttgaatgt gaaaacttaa 480  
 gctgaaaaat tgtaaaaaca tttcacgcct accatgaata gatctgtttc tttctgtcca 540  
 caatgatttg tgcatagac ataattgatc aatttgcagt tg 582

<210> 693  
 <211> 275



<212> DNA  
<213> Homo sapien

<400> 693

ccaattgatt	tgatggtaag	ggagggatcg	ttgacctcgt	ctgttatgta	aaggatgcgt	60
agggatggga	ggcgatgag	gactaggatg	atggcgggca	ggatagtcca	gacggtttct	120
atttcctgag	cgtctgagat	gttagtatta	gttagttttg	ttgtgagtgt	taggaaaagg	180
gcatacagga	ctaggaagca	gataaggaaa	atgactatga	gggcgtgatc	atgaaagggtg	240
ataagctctt	ctatgatagg	ggaagtagcg	tcttg			275

<210> 694  
<211> 397  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(397)  
<223> n = A,T,C or G

<400> 694

nggtctgcat	ttttattgcg	atctgcagat	gaactggaaa	atctcatttt	acaacagaac	60
tgagacagac	gaccaccata	ttcactgagg	tctaaatttg	cagtttccac	taatgacatt	120
ttgatttccc	aacagagata	cttctgggtct	tactgcacag	tcttttaaga	gaaatacttc	180
cattatgcca	cattgtcctt	gatccgtaag	tgatgtgtta	aggtgcttca	aaggaactct	240
gacctctgaa	gtacttgagc	tacttttagta	tgtccagcct	attgcttttt	gttttagtgt	300
gtcaccataa	atatcagggg	cataaaaaggc	tatctattct	taattcaagg	ataaaacaga	360
agaagcttgt	ggtataaaac	aatagttcaa	gatccag			397

<210> 695  
<211> 609  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(609)  
<223> n = A,T,C or G

<400> 695

ctgagcttcc	atttgtcagc	tagcactgng	gtagtcaacc	atgcgaatga	ggctattttg	60
gacctcatga	ttgtccagtg	cctgggctga	taccngggga	aacgaaattt	tgtggctgcc	120
cacaaaatca	tggaataata	tgatttttta	gaaaacctcc	actgnittgt	tgtgcagcaa	180
taaataactg	aaacaccaat	ccaaaaaact	tataaagcta	taacaattaa	aacagnataa	240
taatagtncc	gggatacaaa	aatgggtcaaa	ttgaagagga	tacaaagcct	caaagcagtc	300
ctcactcata	ananccttgt	tgtatcacta	aaanggcatt	aaaattgaga	anaaggaana	360
actagtggat	taattaataa	atgagaagta	tccataagga	aaaattaaaa	ttnnattctt	420
gcttcacatt	atgaaaaaat	acaaacaaca	gattgattaa	agacttaaat	gngatcaaca	480
aaatgttaaa	actgtgataa	gaacatttta	gaaaatagtt	ctatnaccct	gggataaaac	540
attttcntcc	aaggcattaa	agtgttaaat	gaaaagactg	atncattttat	tcattagaat	600
ttaaattcn						609

<210> 696  
<211> 300

09049666 0504

<212> DNA  
<213> Homo sapien

<400> 696  
ctgcaaaaata agcgtgctaa attaaattgt ctttaagggtt ttccacttca ttttgtgaact 60  
ttgtgtgggt cgaatttctc agtattttta ccagtggtgt gatgttaaag tcaaaggctg 120  
cagtatgtct atattcttgc tgtactcatt ggtagtttca gtatatgtaa tgtgagttta 180  
aatagtgaat ttgtatctca tattaacatt tcaaatgctc atattgaaaa tggaaaatag 240  
taaacacggg aattgatttt attctggttg tctataatac ttcattttta atgtaaatgg 300

<210> 697  
<211> 391  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(391)  
<223> n = A,T,C or G

<400> 697  
nngtcatgtn tgatgnatct gancagggtg ctccacaggt agctctagga gggctggcaa 60  
cttagagggtg gggagcagag aattctctta tccaacatca acatcttggt cagatttgaa 120  
ctcttcaatc tcttgcactc aaagcttggt aagatagtta agcgtgcata agttaacttc 180  
caatttacat actctgctta gaatttgggg gaaaatttag aaatataatt gacaggatta 240  
ttggaaattt gttataatga atgaaacatt ttgtcatata agattcatat ttacttctta 300  
tacatttgat aaagnaaggc atggttgttg ttaatctggt ttatttttgn tccacaagtt 360  
aaataaatca taaaacttga acaaaaaaaaa a 391

<210> 698  
<211> 536  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(536)  
<223> n = A,T,C or G

<400> 698  
ctgagcatatc agcaataaaa ataacataat ttttatgtgt acaatattta tggaatacgt 60  
tactggaaca gataaataat ttagttaata acatgacaaa gaacagaaat tgtatacact 120  
atacagcata gtaatagaat aatgaatgat taaagttatt aatattaggt agaaaatgaa 180  
gggtatcttt gagagcagaa ctcaaggaag caagcaattt gcottatgag gaaagagtta 240  
cctgtggata aaggagaaaac tgaaaaattt acaagtcaag actttttgag caaagacaaa 300  
aatatgacta tgagtcacca attcagtaca gtgaaaaaaa agttgaagag atatcttgga 360  
agtaaacat gttgtggaag agcagggttt tgataatcat gggattattc tgaatgaatt 420  
ttaaatgcga taggaatata tgagataatt tcaccagaga ataatatgat catgtttgca 480  
tttcaaagggt gtgtatctgg tgcactgngt agaataaata ggntatgtga gcaagt 536

<210> 699  
<211> 419  
<212> DNA  
<213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(419)  
 <223> n = A,T,C or G

<400> 699  
 ngtcacctg agggcaggtg acaaggacct gacagagccc atgcagggct ttagatttgg 60  
 acacacaaga gttgataact tcctcatgaa ctccttgccg gatctaaact catattatgg 120  
 gttctgactg tttgagtaat catcttcaag gttaaacctc ttggcagtta cccttttcac 180  
 aaagtgcaca gtgggaatcg agaatcgata gggttaattt tggagcagtg gcttatacca 240  
 ttcacctctg tttttttgtg attattttcac agataatgag accttaataa caaataggcg 300  
 taaaaaaatt ttcacattga aatgatagaa acatttgatg taataaaaact tggttggctt 360  
 gatattttta ggaattgaaa cctagcaatc ttattggaga gacaagaatt ggtctccag 419

<210> 700  
 <211> 336  
 <212> DNA  
 <213> Homo sapien

<400> 700  
 ccacttattg tccttaaaaa tccatactga tacatggaca gtaagtgtgt tttcagatgg 60  
 agtaccagca ccgaaaatgg gttgagggag gatgggttgt atgtatgttt ctgcccacta 120  
 attttgagca gccatattat gaattaaatc gtcacagcca agtaataacc caagaatggg 180  
 atgagtttca tgtgtaatat ctcaaaggga ataagcatga atgctggagt ggaccattat 240  
 cctcaaatat tctatgtcac ttctcattta aagactcttg ttatgaacta ttagaaactt 300  
 taggcaaaat caaaagtatt tgcggcaaaa taaagg 336

<210> 701  
 <211> 418  
 <212> DNA  
 <213> Homo sapien

<400> 701  
 ccatgtgatg atgttgacaa ccctgaaga gcctcagtc attgttccac gtttaagaac 60  
 taggaatacc aggactgatg caattctact gggtcactat cgtttgtcac aagacacaga 120  
 caatcagacc aaagtatttg ctgtaataac taagaaaaaa gaagaaaaac cacttgacta 180  
 taaatacaga tattttctgc gtgtccctgt acaagaagca gatcagagtt ttcattgtgg 240  
 gctacagcta tgttccagtg gtcaccagag gttcaacaaa ctcatctgga tacatcattc 300  
 ttgtcacatt acttacaat caactgggta gactgcagtc agtgcttttg agattgacaa 360  
 gatgtacacc cccttggttct tcgccagagt aaggagctac acagctttct cagaaagg 418

<210> 702  
 <211> 261  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(261)  
 <223> n = A,T,C or G

<400> 702  
 gggcctgttg tgggggtggg ggaagcaggg aggggaacag ctaaataagg ttgctgttgat 60

ttggttaaaa aatagtaggg ggatgatgct aataattagg ctgnggggtgg ttgtgttgat 120  
 tcaaattatg tgtttttttg agagtcacgt cagtggtaga aatataattg ttgggacnat 180  
 tagnttttagc attggagtag gtttaggtta tgtacgtagt ctaggccata tgtgttggan 240  
 attgagacta gtagggctag g 261

<210> 703  
 <211> 261  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(261)  
 <223> n = A,T,C or G

<400> 703  
 gggcctgttg tgggggtggg ggaagcaggg aggggaacan ctaaattagg ttgtgttgat 60  
 ttggttaaaa aatagtaggg ggatgatgct aataattagg ctgnggggtgg ttgtgttgat 120  
 tcaaattatg tgtttttttg agagtcacgt cagtggtaga aatataattg ttgggacnat 180  
 tagnttttagc attggagtag gtttaggtta tgtacgtagn ctaggccata tgtgttggag 240  
 attganacta gtagggctag g 261

<210> 704  
 <211> 381  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(381)  
 <223> n = A,T,C or G

<400> 704  
 ngntntgaatt ctattaaaga tacaaagagg agctggtacc atttcttctg aaactattac 60  
 aaacaactga aaagggtggaa tttctcccta attcatttta ggaggccagc attatactga 120  
 taccaaaacc tggcagaggt acaataataa aaggaaactt caagtcagta tcaactgatga 180  
 acaccaatgt gaaaatcctc aataaaaatac tggcaaaactg aattcagcag cacatcaaaa 240  
 agctaattca ccacaatcaa gtcagcttca tccctgcgat gcaagtcctg ttcaacatat 300  
 gcaaatcaat aaatacaatt catcagataa acagagctaa agacaaaatt cacatgattt 360  
 tctcaataga tgcagaaaag g 381

<210> 705  
 <211> 477  
 <212> DNA  
 <213> Homo sapien

<400> 705  
 ctgaaccctc gtggagccat tcatacaggt ccctaattaa ggaacaagtg attatgctac 60  
 ctttgacagg ttagggtagc gcggccgtta aacatgtgtc actgggcagg cgggtgctct 120  
 aatactggtg atgctagagg tgatgttttt ggtaaacagg cggggtaaga ttgtccgagt 180  
 tccttttact ttttttaacc tttccttatg agcatgctg tgttgggttg acagtgaggg 240  
 taataatgac ttgttgggtga ttgtagatat tgggctgtta attgtcagtt cagtgtttta 300  
 atctgacgca ggcttatgag gaggagaatg ttttcatgtt acttatacta acattagttc 360  
 ttctataggg tgatagattg gtccaattgg gtgtgaggag ttcagttata tgtttgggat 420

tttttaggta gtgggtgttg agcttgaacg ctttcttaat tgggtggctgc ttttagg 477

<210> 706  
 <211> 266  
 <212> DNA  
 <213> Homo sapien  
 <220>  
 <221> misc\_feature  
 <222> (1)...(266)  
 <223> n = A,T,C or G

<400> 706  
 ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga 60  
 ggaggttagt tgtggcaata aaaatgatta aggatactan tataagagat caggntcgtc 120  
 ctttagtggt gtgtatggct atcatttggt ttgaggntag tttgattagt cattgttggg 180  
 tggtaattag tcggttggtg atgagatatt tggagggtgg gatcaataga gggggaaata 240  
 gaatgatcag tactgcggcg ggtagg 266

<210> 707  
 <211> 358  
 <212> DNA  
 <213> Homo sapien  
 <220>  
 <221> misc\_feature  
 <222> (1)...(358)  
 <223> n = A,T,C or G

<400> 707  
 ccatcagaga aatgcaaadc aaaaccacaa tgagatacca tctcacacca gttagaatgg 60  
 caatcattaa aaagtcagga aacaacaggt gctggagagg atgtggagaa ataggaacac 120  
 ttttacaccg ntgggtgggac tgtaaaactag ttcaaccatt gtggaagtca gtgtggcgat 180  
 tctcaagga tctagaacta gaaataccat ttgacccagc cggccaatat tcaacattct 240  
 taaaggaaag aattttcaac ccagaatttc atatccagcc aaactaagct tcgttagtga 300  
 aggagaaata aaatacttta cagacaagca aatactgaga gattttgtca ccaccagg 358

<210> 708  
 <211> 491  
 <212> DNA  
 <213> Homo sapien  
 <220>  
 <221> misc\_feature  
 <222> (1)...(491)  
 <223> n = A,T,C or G

<400> 708  
 cctactatgg gngttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60  
 gctgttctct tttggactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca 120  
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180  
 ttgtgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240  
 agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag 300  
 ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360

494950-92964860

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<210> 709
<211> 460
<212> DNA
<213> Homo sapien
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<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G
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<210> 710
<211> 542
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(542)  
<223> n = A,T,C or G
```

```
<210> 711
<211> 394
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(394)
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<223> n = A,T,C or G

<400> 711

caaaccact	ccaccttact	accagacaac	cttagccaaa	ccatttacc	aaataaagta	60
taggcgatag	aaattgaaac	ctggcgcaat	agatatagta	ccgcaaggga	aagatgaaaa	120
attataacca	agcataatat	agcaaggact	aaccctata	ccttctgcat	aatgaattaa	180
ctanaaataa	ctttgcaagg	agagccaaag	ctaagacccc	cgaaccaga	cgagctacct	240
aagaacagct	aaaagagcac	accogtctat	gtagcaaaat	agtgggaaga	tttataggna	300
gaggcgacaa	acctaccgag	cctggtgata	gctggtgtgc	caagatagaa	tcttagttca	360
actttaaatt	tgccacaga	accctctaaa	tccc			394

<210> 712

<211> 552

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(552)

<223> n = A,T,C or G

<400> 712

gaggtctgta	naatgccagg	ctcaaatttg	tctttataat	ttaataccag	aaatctttcc	60
cttgtgatgt	ttctttcttt	ctggattgcc	tctatagcag	gggatagcgg	gggaggataa	120
ggcacatctt	tgntgtactg	agaaatttga	ccacgcagga	tgatgtggct	gttctcattc	180
atctgcacag	agaaaaataa	tgataaaata	tccctttcct	atgtttactg	attttatggc	240
tgccataatg	gaagcctcct	tgactattta	atcctttctg	tcaactaggt	tcgatttttt	300
ttttaattta	cctgtttagag	gtatttaana	attttaacta	gctanaaata	attacattcc	360
aaaggaacac	caaggcaaat	aaatggttgg	taatcagcaa	aagaattaca	ttagttgttg	420
ntgctactta	ttagggggag	aactgttttt	ttttaaat	aaacaattta	ataatctcaa	480
ctgcaataa	tttttagatgc	agcaaaggac	tatgtagncg	ttaatacctc	atgttgatat	540
tttcataata	tt					552

<210> 713

<211> 518

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(518)

<223> n = A,T,C or G

<400> 713

ccaaaaactg	gaagcagctc	actaaacaaa	cagtggcata	cccatagaac	tgcatacttc	60
tcagcagtat	gaaagaatga	gctacttata	taagcatcat	tgataaacct	caaaaaaaaa	120
atgccacatg	aanaaaccca	aagggganaa	acataaaaac	tttatatgtc	agtcataata	180
aattctanaa	aatgcaaact	aatccatcnt	aaaggaaagt	aatcaacag	ttgtctggag	240
gaccananag	agcaggagga	ganagattat	taaaggggtt	aaagtaaatt	tgggagtgcc	300
cttcnntttt	taaatnctat	gaaaatgaaa	gtaaaggcnc	atgcatgttg	taaactaata	360
gtaacaaaaca	naatgggttg	gagtggggtg	ttgtctgggg	acatcattac	aaaatgtaag	420
ccagtttatn	taaattttga	aaagaccgtg	gactctgato	tgactgatna	atgttggaag	480
agataagtgt	gctgcaaattg	ggggaattaa	taaaaacag			518

<210> 714  
 <211> 281  
 <212> DNA  
 <213> Homo sapien

<400> 714  
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60  
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120  
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180  
 gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240  
 ataagctctt ctatgatagg ggaagtagcg tctttagtagac c 281

<210> 715  
 <211> 443  
 <212> DNA  
 <213> Homo sapien

<400> 715  
 cttgaaatca gcaacacact tacaaatgag aaaatgaaaa tagaagagta tataaagaaa 60  
 gggaaagagg attatgaaga gagtcacacag agagctgttg ctgcagaggt atccgtactt 120  
 gaaaactgga aggagagtga agtggtataag ctacagatca tggagtcaca agcagaagcc 180  
 tttctgaaga agctggggct gattagccgt gatcctgcag catatcccga catggagtct 240  
 gatatacgtt catgggaatt gtttctttct aatgttacaa aagaaattga gaaagcaaag 300  
 tctcagtttg aagaacaaat taaggcaatt aaaaatgggt cccggctcag tgaactttct 360  
 aaagtgcaga tttctgagct ttcatttcct gcctgtaaca cggttcatcc cgagttactc 420  
 cctgagtcct caggccacga tgg 443

<210> 716  
 <211> 639  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(639)  
 <223> n = A,T,C or G

<400> 716  
 ccaanaaaaa tgaagtacag agtctgcata gtaagcttac agataccttg gtatcaaaac 60  
 aacagtttga gcaaagacta atgcagttta tggaatcaga gcagaaaagg gtgaacaaag 120  
 aagagtctct acaaatgcag gttcaggata ttttgagca gaatgaggct ttgaaagctc 180  
 aaattcagca gttccattcc cagatagcag cccagacctc cgcttcagtt ctagcagaag 240  
 aattacataa agtgattgca gaaaaggata agcagataaa acagactgaa gattctttag 300  
 caagtgaacg tgatcgttta acaagtaaag aagaggaact taaggatata cagaatatga 360  
 atttcttatt aaaagctgaa gtgcagaaat tacaggccct ggcaaatgag caggctgctg 420  
 ctgcacatga attggagaag atgcaacaaa gtgtttatgt taaagatgat aaaataagat 480  
 tgctggaaga gcaactacaa catgaaattt caaacnaaat ggaagaattt angattctaa 540  
 atgacaaaaa canagcatta aaatcagaag ttcagaagct gcagactctt gtttctgcac 600  
 angcctaata aggatgntgn ggaacaaatg gaaaaattg 639

<210> 717  
 <211> 473  
 <212> DNA  
 <213> Homo sapien

050901 "050901"



<220>  
 <221> misc\_feature  
 <222> (1)...(473)  
 <223> n = A,T,C or G

<400> 717

nntgaggcta	ctgctgtttt	attacaacat	tacctcttgt	ttttataaag	tgtaccaaga	60
tttaaattga	taactttatt	ttacttgaaa	aaaaaaagt	tnntttatca	ccagtgttac	120
agttgtcttc	tgtttctttt	tgttttgntt	tatttgnttt	ccttttttagc	caaagagtga	180
acagaanatt	ttcttatttt	ggtggctatt	cattttactt	ttaaaagtga	ttggtggatt	240
ttagactaat	tatgggggaa	tttgccacca	aaataaaaaa	tatgtaaagn	gtagtgatta	300
cagagtgggt	aaaatgtggg	ttagtactta	tttattccat	taattgatta	tttgactgtt	360
tataaagaaa	gttgctttat	ttctttaaac	atcttcaaaa	gatgatcctt	tcttgtcaca	420
ttatagccaa	aagaagcaga	gaacttcact	gtctgcattt	ggttcctggt	tgg	473

<210> 718  
 <211> 207  
 <212> DNA  
 <213> Homo sapien

<400> 718

ggtaaagtgt	agtataatat	ttaccatctc	acttctagga	atactagtat	atcgctcaca	60
cctcatatcc	tccctactat	gcctagaagg	aataatacta	tcaactgttc	ttatagctac	120
tctcataacc	ctcaacaccc	actccctctt	agccaatatt	gtgcctattg	ccatactagt	180
ctttgccgcc	tgcgaagcag	cggtagg				207

<210> 719  
 <211> 255  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(255)  
 <223> n = A,T,C or G

<400> 719

cctatattac	ggatcatttc	tctactcaga	aacctgaaac	atcggcatta	tcctcctgct	60
tgcaactata	gcaacagcct	tcataggcta	tgtcctcccg	tgaggccaaa	tatcattctg	120
aggggccaca	gtaattacaa	acttactatc	cgccatccca	tacattggga	cagacctagt	180
tcaatgaatc	tgaggaggct	actcagtaga	cagncccacc	ctcacacgat	tctttacctt	240
tcacttcatc	ttgcc					255

<210> 720  
 <211> 455  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(455)  
 <223> n = A,T,C or G

&lt;400&gt; 720

ccaatgtcga	aacctacaag	atttccttaa	aatctctaata	agaggcatta	cttgctttca	60
attgacaaat	gatgccctct	gactagtaga	tttctatgat	ccttttttgt	cattttatga	120
atatcattga	ttttataatt	ggtgctattt	gaanaaaaaa	atgtacattt	attcatagat	180
agataagtat	caggtctgac	cccagtgga	aacaaagcca	aacaaaactg	aaccacaaaa	240
aaaaaggctg	gtgttcacca	aaaccaaact	tggttcattta	gataatttga	aaaagctcca	300
tagaaaaggc	gtgcagtact	aagggaacaa	tccatgtgat	taatgnttnc	attatgttca	360
tgtaanaagc	cccttatttt	tagccataat	tttgcatact	gaaaatccaa	taatcagaaa	420
agtaattttg	ccacattatt	tatnaaaaat	gttcc			455

&lt;210&gt; 721

&lt;211&gt; 530

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(530)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 721

ccagtgcctg	ctgccgtggt	ttagtgattg	ggtgttagaa	ataaaaactc	aggtctattt	60
cttaccagtc	agtaacaatt	tttagagaat	gtacttggtg	tataatatat	ggacttcagg	120
aactttattg	ggnggggggg	ttaattttgc	cttaccctgt	tcactttcag	atgattaggc	180
ttttgcaatt	tagaatgaga	aacttgtgac	gtagtggtgt	tcttactagc	tttaatttgc	240
atgtagcaat	gaattgtgaa	tcttagtgca	gtgggttttt	ttaaaaaact	caaaaagctg	300
ggaattaagt	ggtttcagta	ataatgctat	accgaggtgc	ttgcattgta	tttcataatt	360
ttgttacaaa	ccaaaattat	ttttaatgan	aacggtcttg	ggttcagagg	tgtgatgcca	420
gaatgtatgt	tcgtactgtt	aggcccttgg	aacagatacc	ggtgctttct	tgaaagatga	480
aagaaatgca	atgggtgctc	ttcatgcaag	gttgcaaacc	taccaagaat		530

&lt;210&gt; 722

&lt;211&gt; 242

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(242)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 722

ccaaggggtca	tgatggcagg	agtaatcana	ggtgntcttg	tggtgtgata	agggngggaga	60
ggttaaagga	gccacttatt	agtaatggtg	atagtagaat	gatggctagg	gtgacttcat	120
atgagattgt	ttgggctact	gctcgcagtg	cgcgcagtcag	ggcgtagttt	gagtttgatg	180
ctcatcctga	tnagaggatt	gagtaaaccg	ctaggctaga	ggtggctaga	ataaatagga	240
gg						242

&lt;210&gt; 723

&lt;211&gt; 472

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

<221> misc\_feature  
 <222> (1)...(472)  
 <223> n = A,T,C or G

<400> 723  
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60  
 gccgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca 120  
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180  
 ttgtcgccctc nacctataaa tcttcccaact attttgctac atagacgggt gtgctctttt 240  
 agctgttctt aggtagctcg tctggnttcg ggggtcttag ctttggtctc ccttgcaaag 300  
 ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360  
 tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt 420  
 ctatcgcccta tactttattt gggtaaatgg tttggctaan gttgtctggt ag 472

<210> 724  
 <211> 292  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(292)  
 <223> n = A,T,C or G

<400> 724  
 nccaccactg cagccctaca tacagntgaa aaaaaattcc attctgttaa catttgtttt 60  
 ataagttttc acncaatata caaaaaaccc ctctgcactt cttgtaaaga acaaaaaaga 120  
 tacacaacag ttaagcgtaa agatcacagg caatagcatt caaacatgga tgtgggnaga 180  
 gaaaggagta cctggcatga gtacctgctt agttnngactg aatccttgat ttttaatttg 240  
 gcttttcatg ggccgntcac aacaccaacg ctgngngagg tatggtagtc ag 292

<210> 725  
 <211> 122  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(122)  
 <223> n = A,T,C or G

<400> 725  
 atagaaaggg catacccaaa atgttactga aaatntaata caaattccaa gattcaccaa 60  
 ngaagtaaca aaaacctggc ctgcangngg ncccctatcc cgtggctcca tggntgatgt 120  
 gg 122

<210> 726  
 <211> 477  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(477)

<223> n = A,T,C or G

<400> 726

ctgaaccctc	gtggagccat	tcatacaggt	ccctaattaa	ggaacaagt	attatgctac	60
ctttgcacgg	ttagggtagc	gcggccgtta	aacatgtgtc	actgggcagg	cggtgcctct	120
aatactgggtg	atgctagagg	tgatgttttt	ggtaaacagg	cggggtaaga	tttgccgagt	180
tccttttact	ttttttaacc	tttccttatg	agcatgcctg	tggtgggttg	acagtgaggg	240
taataatgac	ttgttggtga	ttgtanatat	tgggctgtta	attgtcagtt	cagtgtttta	300
atctgacgca	ggcttatgcg	gaggagaatg	ttttcatggt	acttatacta	acattagttc	360
ttctataggg	tgatagattg	gtccaattgg	gtgtgaggag	ttcagttata	tgtttgggat	420
tttttaggta	gtgggtgttg	agcttgaacg	ctttcttaat	tggcggctgc	tttttagg	477

<210> 727

<211> 416

<212> DNA

<213> Homo sapien

<400> 727

cctgtctttg	aatggatgaa	ataggttaat	aaaaaacatc	actgtttaaa	aactagaaca	60
ctgaaaaatt	ctaggaaagc	ttattttccc	ttatatTTTT	atggtacttt	caacacttaa	120
taacactatt	tcaattaagt	tttctcctag	agtttatagt	atatcagtac	attcttttct	180
gtggatgcaa	taatatagaa	tcttattcca	aatcttactg	gcaggttctc	ttaaattcct	240
caacggctgc	catagtgatt	aaccaaaatt	agttatgatt	tctgcctatc	tgtgtgagaa	300
cttacagggg	aaattgttct	aaacctgagg	aacatgaagt	aactgtactg	cacactccaa	360
atgatgacag	tcattttata	tcaccttcaa	ttaccaaca	gcttttaata	gtctgg	416

<210> 728

<211> 416

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(416)

<223> n = A,T,C or G

<400> 728

cctgtctttg	aatggatgaa	ataggttaat	aaaaaacatc	actgtttaaa	aactagaaca	60
ctgaaaaatt	ctaggaaagc	ttattttccc	ttatatTTTT	atggtacttt	caacacttaa	120
taacactatt	tcaattaagt	tttctcctag	agtttatagt	atatcagtac	attcttttct	180
gtggatgcaa	taatatagaa	tcttattcca	aatcttactg	gcaggttctc	ttaaattcct	240
caacggctgc	catagtgatt	aaccaaaatt	agttatgatt	tctgcctatc	tgtgtgagaa	300
cttacagggg	aaattgttct	aaacctgagg	aacatgaagt	aactgtactg	cacactccaa	360
atgatgacag	tcattttata	tcaccttcaa	ttaccaaca	gcttttaata	ntctgg	416

<210> 729

<211> 564

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(564)

<223> n = A,T,C or G

&lt;400&gt; 729

ctgtgagtag	aggagtcttc	ccgagagtag	cagttgttga	tccaaatgat	tgaagccttc	60
aggtaaggga	ataactgctg	caggaattct	ttcttgaaga	atttaagctg	tttggaaga	120
attctgtaac	tacatacctt	tgaaacacta	ttcacattca	aataaacgct	tgttttctag	180
ccaggcacag	gctcaattag	tttttcaaac	tctagccaag	gcagtatttc	atttgggaaa	240
tcatgcaaca	gaactgctca	attcttaact	tctcctgctg	ttaacattta	cacttagact	300
gccagcaaca	gttaacttaa	atthtggctc	caagggaaca	aaaaaaaaatt	gcattcagaa	360
tttaatatag	tattttaaaa	ctaatttttag	cctgtaagnc	attatgagca	atagtaactt	420
ttatacctcc	tcatcttgnc	tgataatata	ttctatatgc	tgncaatctg	attatatagt	480
ctatatgcta	gaagttgctg	atthtcatte	tgccaacaaa	aaaaactgtc	cttttttttt	540
tatgggggaa	aaagggaatt	taaa				564

&lt;210&gt; 730

&lt;211&gt; 310

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 730

ccatttttat	ttcttcttca	gagaagtgtt	tatttaggtc	tggtgcccat	tttacaatta	60
ggccatatgt	tttcttgctg	ttgagttgta	tggtgtgttg	tataaatitt	gcataattaac	120
cccttatcac	acgtatgttt	tttaaaataa	atthtgccta	ttaatctttt	atcagatgta	180
tggtttccaa	atatattctt	ccgatccatg	gattctcttt	tttgttatga	ttgtttcttt	240
gctcttcgga	agctttttgt	tttgttttgt	tatttgtttt	actttgatat	agtcccattt	300
attgtttttg						310

&lt;210&gt; 731

&lt;211&gt; 467

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(467)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 731

ngacaacctt	agccaaacca	tttaccctaaa	taaagtatag	gcgatagaaa	ttgaaacctg	60
gcgcaataga	tatagtaccg	caagggaag	atgaaaaatt	ataaccaagc	ataataaagc	120
aaggactaac	ccctatacct	tctgcataat	gaattaacta	gaaataactt	tgcaaggaga	180
gcaaagcta	agacccccga	aaccagacga	gctacctaag	aacagctaaa	agagcacacc	240
cgtctatgta	gcaaaatagn	gggaagattt	ataggnagag	gcgacaaacc	taccgagcct	300
ggtgatagct	ggttgtccaa	gatagaatct	tagntcaact	ttaaatttgc	ccacagaacc	360
ctctaaatcc	ccttgtaaat	ttaactgnta	gnccaaagag	gaacagntct	ttggacacta	420
ggaaaaaacc	ttgtagagag	agtaaaaaat	ttaacaccca	tagtagg		467

&lt;210&gt; 732

&lt;211&gt; 492

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(492)

<211> 216

<213> Homo sapien

atttaataacg	tgtctactgc	tgggcacgcg	ctgaagctac	agttaacaat	cagtgagcac	60
atattaaatg	ataaaaataat	gctgatggta	aacattcata	acagcagagt	aagatttttg	120
cagttttgtg	tctcggtaac	ataactgtaa	ccttagatga	acacctatcc	cttcatgac	180
tgaactttaga	ggcaaggagt	ttgtaacatc	taatgg			216

<213> Homo sapien

<223> n = A, T, C or G

ctgaaaggca	acntggagac	tagttagtct	agtcacctca	tattataaat	tggatatgctg	60
aggccaggca	gtaaattgct	atggagctct	ccaatttaag	gccagtttga	ctccaagggt	120
agggtctcta	gtaaaaattt	gtgattaaat	tggaaactct	aatttatitt	tctatgngtt	180
tttggtacct	aatcttcata	agcaagccat	atttcaaggc	tgatcaatga	aaacacccaa	240
taccaaagct	tcctttccct	tccaaattta	ctgacctttt	gtcag		285

<213> Homo sapien

<223> n = A, T, C or G

agangaagaa	gangaagatt	aaggggaaaag	tacatcggtc	aagaagagct	caacaaaaaca	60
aagcccatct	ggaccagaaa	tcccgcacgt	attactaatg	aggagtacgg	agaattctat	120
aagagcttga	ccaatgactg	ggaagatcac	ttggcagtga	agcatttttc	agttgaagga	180
cagttggaat	tcagagccct	tctatttgtc	ccacgacgtg	ctccttttga	tctgtttgaa	240
aacagaaga	aaaagaacaa	catcaaattg	tatgtacgca	gagttttcat	catggataac	300
tgnaggagc	taatccctga	atatctgaac	ttcattagag	gggtgggnaga	ctcggaggat	360
ctccctctaa	acatatcccg	tgagatgttg	caacaaagca	aaattttgaa	agttatcang	420
aagaatttgg	gtcaaaaaat	gcttanaact	ctttactgaa	ctggcggaag	atnaagagaa	480
ctncaagana	ttctatgagc	agntctctt				509

<213> Homo sapien

caqtgaattg aatacgactc ctatagggcg aattgggccc tctagatgca tgctcgagcg 60

97

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<210> 739
<211> 209
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(209)
<223> n = A,T,C or G
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<400> 739

cgcncagtg	gatggata	tgcagaat	gcccttag	gccgcgcg	gcagggto	60
tatatatag	agcttagt	gaaaaaat	gaaggact	cgtaacgg	gtaattca	120
atcaagag	attacca	taatgtt	gcattgg	ttgagtta	attatttt	180
aaatcctg	gactagc	aattgac	g			209

```
<210> 740
<211> 164
<212> DNA
<213> Homo sapien
```

<400> 740

cgaagctaat	gggtgacact	gtgaatgcaa	ctctaattga	gcctggcgta	aatggctccta	60
tgggcactaa	ctttcaagtt	aacacaaaaca	gaggaggttg	tgtgtgggaa	tctggtgcag	120
caaactccca	gagtacatca	tggggaagtg	gaaatggcgc	aaat		164

```
<210> 741
<211> 514
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(514)
<223> n = A,T,C or G
```

<400> 741

ccagtcagaa	ttgagatgtg	ctgtgagtg	aaaatacact	caaatactaag	acttagtatg	60
gaagaaaaag	aagataaggt	gnttcattaa	taatctttta	tattgattac	atgttgaaat	120
gatatTTTTA	atatactggg	ttacataaac	tgttattaag	attaattttg	cttgtttctt	180
TTTTaatatg	gctactagaa	aattaaanaa	tatgtttgtg	ttcacattat	atttctgttg	240
aacaatgtgg	acatagataa	tctacagtca	ttacattagc	cttagaattt	agcatcatac	300
TTTTaagcac	tctggggtag	taacttgaac	tcccagaaac	ccataagcac	actctgcata	360
taaattattg	caaaattcat	tcttatctct	ctgaaagata	tgcatTTTTA	gggtaaaaag	420
aattcacaaa	atattganc	cttaacaaa	gtcaattagt	atatggagag	agctaaagga	480
cttctgttag	actggtncat	tggggaaaaa	caga			514

```
<210> 742
<211> 439
<212> DNA
<213> Homo sapien
```



<220>  
 <221> misc\_feature  
 <222> (1)...(439)  
 <223> n = A,T,C or G

<400> 742

gcaggctcta	tgcatagtta	ataaggnta	taatctactc	aacatggaaa	atgggagcct	60
atttgcaaac	acacgagtaa	ttaaagtacc	aattctctct	tagtttcttt	ttttatagtt	120
ggnntatttt	gcaattataa	atgntaaaca	tccctagaga	tgaaagttaa	aatggctgat	180
cacagatcag	tagcaaaaata	caaattgaca	attcaaaaatt	ataaataaaa	ctctgttgag	240
gatgtttaac	tttgagcctc	caaatttaag	agctaagctt	ggaagaaaca	aatttatagg	300
ttatatattcc	ctcttaaat	aaaaaacaaa	cttcctctgg	cagtagnttg	tgaattcctt	360
tcattgnaat	gataccatga	ttacaggatc	aaaaatgctt	aacttacttg	ccattctgct	420
cacatcatca	cagttgttt					439

<210> 743  
 <211> 275  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(275)  
 <223> n = A,T,C or G

<400> 743

cangacgcta	cttcccctat	catagaagag	cttatcacct	ttcatgatca	cgccctcata	60
gtcatttttc	ttatctgctc	cctagtctctg	tatgcccttt	tcctaacact	cacaacaaaa	120
ctaactaata	ctaacatctc	agacgctcag	gaaatagaaa	ccgtctgaac	tatcctgccc	180
gccatcatcc	tagtctcat	cgccctccca	tcctacgca	tcctttacat	aacagacgag	240
gtcaacgata	cctcccttac	catcaaatca	attgg			275

<210> 744  
 <211> 295  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(295)  
 <223> n = A,T,C or G

<400> 744

ctgtnctttt	aaaaaatctg	gatgtttttt	atttagtgat	tgttcgacaa	ttagctgctt	60
caaaacataa	tgtgcattgc	ttatgaatgc	cttcatatac	taatacagat	actctgataa	120
tattacactc	taataaggat	aatgctgaat	tttgaaagga	cacaaaacat	ctaattgcaa	180
tatatacatg	attagccaac	atctttgcta	tcaagaccac	tcgtttttta	ataaagatgc	240
aagtgtcagt	tgtagattat	tgggatgaag	ctaaatcccc	agaatgcagc	agcag	295

<210> 745  
 <211> 477  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(477)  
 <223> n = A,T,C or G

<400> 745

cgcgttactg	tacatattgc	tagcaggaga	caactggaaa	tactaaacaa	atactggaat	60
tcacattaca	gacagacgaa	accaacatgg	atgccacaca	taacttcctt	tgtagtttca	120
cagagagcct	atttgtgggt	gtcagggtgg	ggtcatacat	tgcttgacga	aatggcctga	180
tcatagctct	atgaaacaat	gaattcggaa	tgaaatctta	ccatgacacc	tctctgtagg	240
aaagaaatgt	tgcttcacgt	gtgctaagtt	gagataataa	tatttcacat	atttatatac	300
agagaatcac	tctcaaattt	aacccaagat	aagcaatagg	atttgggggt	gacttgtaca	360
cattttctaac	aacacttttc	ttttttctag	aggtcactct	caaacactga	tatatcacta	420
tagtttgagt	gtanggattc	agtaatcaaa	ggttggttatt	gcaaaagagc	caggcag	477

<210> 746  
 <211> 524  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(524)  
 <223> n = A,T,C or G

<400> 746

ctgtgaaatt	gggttgggag	agccaaaata	ctttacaact	tcagaccgga	gaaaaggcca	60
gaggtgtgaa	gttagactct	atgatgaaac	agagtcgtct	tttgcgatga	catggtggga	120
taatgaatcc	attctacttg	cacagagctg	gatgccacga	gaaacagtaa	tatttgcctc	180
agatgtaaga	ataaattttg	acaaattttc	gaactgcatg	acagcaactg	taatctcaaa	240
aaccattatt	acaactaatc	cagatatacc	agaagctaac	attctgctga	attttatacg	300
agaaaataaa	gaaacaaatg	ttctggatga	tgaaattgac	agttatttca	aagaatccat	360
aaattttaagt	acaatagtgt	atgtctacac	agntgaacaa	ttaaagggaa	aagctttgaa	420
gaatgaagga	aaagctgata	cttcctatgg	catcctttat	gcctacattt	ccacactcaa	480
cattgatgat	gaaactcaaa	agtagttcga	aatagatggt	ccag		524

<210> 747  
 <211> 456  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(456)  
 <223> n = A,T,C or G

<400> 747

cctcagttct	tgattgtggt	tgacggggcg	tcacocatgaa	ggagcccatt	tagtataaag	60
cttccaacct	tttctcttaa	tcgtttcttt	aatcttttaa	accatcttca	agtgcataag	120
ggagtttccg	atgccagagg	atgaaagcaa	gtgctttctc	cacctctctc	tcccagagtg	180
aaaacaaaatc	cttttgcctga	tacttgtttc	aaaagcatcc	attgtaaagc	ttctcagtga	240
cacaaaatac	tgagaggtaa	cttttttatca	atcaaaaccac	atacccaat	ttaacacctt	300
tcagtgtctct	gaattcaact	gacagactaa	aggggtgtttc	ctgtaacagt	ctgaaatatt	360
aagtgttttt	tttgttttgt	ttttaaatct	tatttcagaa	aacttcctct	nggggttaga	420

aagtacacat gaagcagcaa agtaacgaag aaaaac

456

<210> 748  
 <211> 474  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(474)  
 <223> n = A,T,C or G

<400> 748  
 ccanaccagg gaaccaaagt cagacagnga agttctctgc ttcttttggc tataatgnga 60  
 caagaaagg atcatctttt gaagatgttt aaagaaataa agcaactttc ttataaaca 120  
 gtcaaataat caattaatgg aataaataag tactaaccga cattttaacc actctgtaat 180  
 cactacactt tacatatatt ttatttnggn ggcaaantcc cccataatta gtctaaaatc 240  
 caccaatcac ttttaaaagt aaaatgaata gccacaaaa taagaaaatc ttctgttcac 300  
 tctttggcta aaaaggaaaa caaataaaac aaaacaaaaa gaaacagaag acaactgtaa 360  
 cactggtgat aaaagaaact ttttttttac aagtaaaata aagttatcaa tttaaatctt 420  
 ggncacttta taaaacaag aggtaatgtt gtaataaaac agcagtagcc tcag 474

<210> 749  
 <211> 355  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(355)  
 <223> n = A,T,C or G

<400> 749  
 cctgggttna gnggctgact gnaacctcca ctctctgttc tcaggcaatc ctctgcctc 60  
 agcctcctta gtagctggga ctacaggagt gtgcaacat gcccaactaa tttttgtatt 120  
 tttaatagag acagggtttc accatgttga tcagggttgg ctccaactcc tgacctcagg 180  
 tgatccacct gtcccagcct cccaaagtgc tgggattaca ggcatgagcc accacgcccg 240  
 gnccaggata aagtaaaaaa ttgtaagcac acaaggccct ttgcaacctg gctcctggtt 300  
 actactttta ncctcctgcc ctcccaaagt tntcactgt ttttctanac atacc 355

<210> 750  
 <211> 493  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(493)  
 <223> n = A,T,C or G

<400> 750  
 ccattgctgg ctgcaactcc tgaactcagg tgatccacc gcctcagtct cccaatagat 60  
 tacatatatt attaatgaat tgcttccttt aacacctat tcattgaatt ttccagtaaa 120  
 ccacaattac taattactcc tgaaatcaga aaagagggtta aaaagatttt ataacagtat 180

TCAGTAGCC TCAG

cctatgaaat ctactacttt caagtaatag tagttgaatt accaaaaccc gtcactcaag 240  
 ccaatgacta caattaagat atgagtaaca ttctctagat aaataaagtc aattaattat 300  
 atttgcactt gggaaataga gaaagtacat ataagccatg attttgaagn caaaagagag 360  
 agantatttg ccaaggaggg gtgagttata gtatgtaatt ataacataca gaagcttttt 420  
 gtatgctggt aactaatttt aatttcctac attnttatgg agattttctgc tattcttgctc 480  
 ctattttcca cct 493

<210> 751  
 <211> 364  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(364)  
 <223> n = A,T,C or G

<400> 751  
 cgaggtctgg naaggtcacc aagtctgccc aganagctca gaaggctaaa tgaatattat 60  
 ccctaatacc tgccacccca ctcttaatca gtggtggaag aacggtctca gaactgtttg 120  
 tttcaattgg ccatttaagt ttagtagtaa aagactgggtt aatgataaca atgcatcgta 180  
 aaaccttcag aaggaaagga gaatgttttg nggaccactt tggttttctt ttttgctgtg 240  
 ggcagtttta agttattagt ttttaaaatc agtacttttt aatggaaaca acttgaccaa 300  
 aaatttgtca cagaattttg agaccatta aaaaagttaa atgagataaa aaaaaaaaaa 360  
 cntg 364

<210> 752  
 <211> 498  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(498)  
 <223> n = A,T,C or G

<400> 752  
 ctggattatg ggttggnatt ggtcatatgt tagactccat acaggcatag ctatgatgca 60  
 gtgaatccct tagaagttac aattctcaaa ttacatactt cctcagatgt aacattagaa 120  
 ctcaatattt ctaacaataa cataccagaa aaggctggac tggcactcat ctgctgacta 180  
 acttgtagcc tcagtaatat gacatacttg cctttaacaa attatctcaa attaactaac 240  
 agaccttcag aaaatggaga ttctttttga tggggacata atcaaattta agtotgagaa 300  
 atatgcttaa cagttggaac tcaaattaaa tgtactgatt ttaaagttaa gacattaaca 360  
 agtgatanat tagcctcaaa aaaagacaat ttgnaaggn ttaggtcttt taatttggtg 420  
 cttgntcaca acttgactgg tgcttctttc cttgctgctt cacatcaagc atggggccaa 480  
 ttctattttc agtaaatg 498

<210> 753  
 <211> 467  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature

<222> (1)...(467)  
 <223> n = A,T,C or G

<400> 753  
 nacaacctta gccanaacca tttacccaaa taaagggata ggcgataгаа attgaaacct 60  
 ggcgcaatag atatagnacc gcaagggaaa gatgaaaaat tataaccaag cataatatag 120  
 caaggactaa cccctatacc ttctgcataa tgaattaaact agaaataact ttgcaaggag 180  
 agccaaagct aagacccccg aaaccagacg agctatctaa gaacagctaa aagagcacac 240  
 ccgtctatgt agcaaaatag tgggaagatt tataggtaga ggcgacaaac ctaccgagcc 300  
 tgggtgatagc tggntgncca agatagaatc ttagntcaac tttaaatttg cccacagaac 360  
 cctctaaatc cccttgtaaa tttaaactgt agtccaaaga ggaacagctc ttggacacna 420  
 ggaaaaaacc ttgcagagag agtaaaaaat ttaacaccca tagtagg 467

<210> 754  
 <211> 196  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(196)  
 <223> n = A,T,C or G

<400> 754  
 gtcattgttca agtgntntaa tctgacgcag gcttatgcgg aggagaatgt tttcatgtta 60  
 cttataactaa cattagttct tctatagggt gatagattgg tccaattggg tgtgaggagt 120  
 tcagttatat gtttgggatt ttttaggcag tgggtgttga gcttgaacgc tttcttaatt 180  
 ggtggctgct tttagg 196

<210> 755  
 <211> 381  
 <212> DNA  
 <213> Homo sapien

<400> 755  
 ctggaaagga ttctgtacat ataagacatc aaatattgag ggatactgga actttttaa 60  
 taatgggcaa agaaagtcaa caaaggaagt tcatatgaaa tcaaactagt aatatgatta 120  
 caaaaaaaaaa gtttaaaatt tttcttggcc ccagtcttat catttctgag ccaaatacaa 180  
 ttctatcgaa atcacctgaa actgaaatca ccattctagg ctggttttcc cataaagatg 240  
 gactgctcca aaaagaggaa tcaagaaaga atttggctca cagtgaatta ttcactttgt 300  
 cttagttaac taaaaataaa atctgactgt taactacaga aatcatttca aattctgtgg 360  
 tgataataaa gtaatgaccg c 381

<210> 756  
 <211> 341  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(341)  
 <223> n = A,T,C or G

<400> 756

```

ggntataaac ctattattta ttgcagaact aataaaaaat ccaaagcctt gtatttgtac      60
atctttatta tctctaaagc actttcctca acctaatttc agtttttaca attggtactc     120
aagaaaatag agacagaaat catttgattt tgcccagaaa ccatctgctt atatttataa     180
ggccaccta tttgaaatca catatagacc aggcgcgggtg gctcacgcct gtaattccaa     240
cactttggaa ggccaaggca ggtggatcac aagggtcaaga gattgagacc atcttggcca     300
acatggcgaa accccgtctc taccaaaaat acaaaaatca g                                     341

```

```

<210> 757
<211> 479
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G

```

```

<400> 757
cgcnttactg tacatattgc tagcagggag acaactggaa atactaaaca aatactggaa      60
ttcacattac agacagacga aaccaacatg gatgccacac ataacttcct ttgtagtttc     120
acagagagcc tatttgtggt tgctcaggtg gggtcataca ttgcttgcaag aaatggcctg     180
atcatagctc tatgaaacaa tgaattcggg atgaaatcct accatgacac ctctctgtag     240
gaaagaaatg ttgcttcacg tgtgctaagt tgagataata atatttcaca tttttatata     300
cagagaatca ctctcaaatt taaccaaga taagcaatag gatttggggg tgacttgtn     360
acattttctaa caacactttt cttttttcta gaggtcactc tcaaactg atatatcact     420
atagnttgag ngtagggatt caagtaatca aaggttgtta ttgcaaaaga gccaggcag     479

```

```

<210> 758
<211> 267
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

```

```

<400> 758
ccatgnctag gtttatagat agttgggtgg gttggtgtaa atgagtgagg caggagtccg      60
aggagggttag ttgtggcaat aaaaatgatt aaggatacta gtataagaga tcagggttcgt     120
ccttttagtgt tgtgtatggc tatcatttgt tttgaggtta gtttgactag tcattgttgg     180
gtggttaatta gtcggttgtt gatgagatat ttggagggtg ggatcaatag agggggaaat     240
agaatgatca gtactgcggc gggtagg                                     267

```

```

<210> 759
<211> 449
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(449)
<223> n = A,T,C or G

```

&lt;400&gt; 759

cgaggtcttg	aaatcagcaa	cacacttaca	aatgagaaaa	tgaaaataga	agagtatata	60
aagaaagggg	aagaggatta	tgaagagagt	catcagagag	ctgtggctgc	agaggtatcc	120
gtacttgaaa	actggaagga	gagtgaagtg	tataagctac	agatcatgga	gtcacaagca	180
gaagcctttc	tgaagaagct	ggggctgatt	agccgtgac	ctgcagcata	tcccgacatg	240
gagtctgata	tacgttcatt	ggaattgttt	ctttctaatg	ttacaaaaga	aattgagaaa	300
gcaaagtctc	agtttgaaga	acaaattaag	gcaattaaaa	atggttcccg	gctcagtga	360
ctttctaaag	ngcagatttc	tgagctttca	tttcctgcct	gtaacacggt	tcatcccgag	420
ttactccctg	agtcttcagg	ccacgatgg				449

&lt;210&gt; 760

&lt;211&gt; 414

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(414)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 760

ccatnaactg	gaagcagctc	actaaacaaa	cagnnggcata	cccatagaac	tgcatacttc	60
tcagcagtat	gaaagaatga	gctacttata	taagcatcat	tgataaacct	caaaaaaaaa	120
atgccacatg	aagaanccca	agggggagaa	acataaaaaa	tttatatgnc	agncatataa	180
aattctagaa	aatgcaaact	aatccatcnt	aaaggaaagt	aatcancag	ttgtctggag	240
gaccanagag	agcaggagga	gagagattnt	taanggggtt	aaagtaaatt	ngggagtgcc	300
cttccatttt	taaatnctat	gaaaatgaaa	gtaaaggccc	ntgcatgttg	taaactaata	360
gtaacaaaca	gattgggttg	gagtgggggtg	ttgtctgggg	acatcattac	aaan	414

&lt;210&gt; 761

&lt;211&gt; 428

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 761

gagcctcact	aaaataacag	atttcagtat	agccaagttc	atcagaaaga	ctcaaattgga	60
atgatattaca	agatagaaca	cttttaaacca	ggtcagtcct	atctttttgt	agctgaaggc	120
tatcagtcct	aacacaattt	cgcgtaacc	tctgctcatt	atggaattac	acttaaaacg	180
aatctcaaga	gggtgacct	tggtgtttca	gataccatcc	ctaaggagag	tggttaacag	240
gaagattgcc	agtgttactg	atggaaagaa	gtgtttgttt	gttttttttc	ttgtcaaaga	300
cttacaccat	agtttttaaat	taaactgtca	ggcattttct	cagacaggtt	ttccttttca	360
atgcagtaat	gaagaactaa	gataaaaatc	atgacttttg	actgccactc	aacattatta	420
catgcacc						428

&lt;210&gt; 762

&lt;211&gt; 574

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(574)

&lt;223&gt; n = A,T,C or G

T050"050430





<210> 766  
 <211> 375  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(375)  
 <223> n = A,T,C or G

<400> 766  
 cgaggtctgn cctcctgggt cttcatccat tattaacaga agagcatact ggtttcgggtc 60  
 cataaaatct ttgggaaggg acaactgtaa aggaagttca tagtcgtcaa tatgaaggat 120  
 ttttaatttct ggcttttcta tcttcttctt caggatagct tccttcagca tagaattgtt 180  
 ttccaatata aaatatattt ctgggttggt cgtactatgt aggttgacca ctgggaccct 240  
 tggaccttca cagaataata agaaatgttg attcatggga ctaaaactgg catcaaaata 300  
 tgtacattgt tctttcatga aattacatga aatgcattgg cgattcaata atccttcagt 360  
 agaagcactg tacag 375

<210> 767  
 <211> 485  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(485)  
 <223> n = A,T,C or G

<400> 767  
 cgaggtctga accctcgtgg agccattcat acaggtccct aattaaggaa caagtgatta 60  
 tgctaccttn gcacgggttag ggtaccgcgg ccggttaaac atgtgtcact gggcaggcgg 120  
 tgctctaat actgggtgat ctagagggtga tgtttttggn aaacaggcgg ggtaagattt 180  
 gccgagttcc ttttactttt ttttaaccttt ctttatgagc atgcctgtgt tgggttgaca 240  
 gtgagggtaa taatgacttg ttggtgatg tagatattgg gctgttaatt gtcagttcag 300  
 tgttttaatc tgacgcaggc ttatgcggag gagaatgttt tcatgttact tatactaaca 360  
 ttagttcttc tatagggtga tagatnggtc caattgggtg tgaggagntc acttatatgt 420  
 ttgggatttt ttaggtaagn ggggtgttgag cttgaacgct ttcttaattg ggggctgctt 480  
 ttang 485

<210> 768  
 <211> 379  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(379)  
 <223> n = A,T,C or G

<400> 768  
 ctgatattct attaaagata caaagaggag ctggnaccat ttcttctgaa actattacaa 60  
 acaactgaaa aggtggaatt tctccctaatt tcatttttagg aggcagcat tatactgata 120  
 ccaaaacctg gcagagggtac aataataaaa ggaaacttca agtcagtatc actgatgaac 180

TC050-3394850

accaatgtga aaatcctcaa taaaatactg gcaaactgaa ttcagcagca catcaaaaaag 240  
 ctaatccacc acaatcaagt cagcttcac cctgcgatgc aagtctgggt caacatatgc 300  
 aaatcaataa atacaattca tcagataaac agagctaaag acaaaattca catgattttc 360  
 tcaatagatg cagaaaagg 379

<210> 769  
 <211> 518  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(518)  
 <223> n = A,T,C or G

<400> 769  
 cgagggtccat atgatgatca gtctatatag ttttaaggcgc agatacacaa attttcaaaa 60  
 atatgggttag aatatagtca atatgaatgg aatagacaat gctttgaaaa tcaactggagg 120  
 gaggttttat tgtttgtgaa aacatgttgt catcactttt tgctttaagc ccttggtggt 180  
 gaaataactc aaaccattct tccttatgct gaagatcgag aacccaagt atcacatcta 240  
 ccatccact catcaatgtg attggtcagt ctttgctgag gncctgcata gccagtttta 300  
 aagtttagagt tcttgcatat acatatgaaa aggcattgta cttgtgcttt caaagagctt 360  
 tttgcttggt gtaaaaagaa aactcaaatt acagtgtgat gtggaatata atggtggtag 420  
 tttcatcgag atgatgggaa agaattgata agataaagcn gaaagatgag cagaattttc 480  
 agattgggtg tggaaagagc acttaagaaa gaggggtg 518

<210> 770  
 <211> 378  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(378)  
 <223> n = A,T,C or G

<400> 770  
 tatgggtcct gagtgtggaa tataagataa caagacaatt cccttgcttt caagggaat 60  
 cacactttat aaaactttga attcttgaaa tgggtttcag aggtccaag gtcaaattca 120  
 agaataagag ttaagaagaa aaagactatg agaaaggaag tngtgacccc atttgcat 180  
 aaatggcagg aatagtctca atctactcat tggggaaaaa tgtatgttgc atatttttga 240  
 gatattgcaa cttgctctct ctctttgcc cccaccctt tgnatgctc tgtttttggg 300  
 ctgaattggc aagaaaaatg gctggagggc tggagaagn tggacccttc ttccttcttc 360  
 cttcttcttc ctttctcc 378

<210> 771  
 <211> 207  
 <212> DNA  
 <213> Homo sapien

<400> 771  
 cataaatatt atactagcat ttaccatctc acttctagga atactagtat atcgctcaca 60  
 cctcatatcc tccctactat gcctagaagg aataatacta tcactgttca ttatagctac 120  
 totcataacc ctcaacaccc actccctctt agccaatatt gtgcctattg ccatactagt 180

207

<400> 772

```
<210> 773
<211> 182
<212> DNA
<213> Homo sapien
```

```
cccttttctt aacactcaca acaaaaactaa ctaataactaa catctcagac gctcagggaa      60
atagaaacog tctgaactat cctgccgcgc atcctcctag tctctatcgc cctcccatcc      120
ctacgcatcc ttacataac agacgaggtc aacgatccct cccttaccat caaatcaatt      180
gg                                     182
```

```
<210> 774
<211> 191
<212> DNA
<213> Homo sapien
```

```
ccatggctag gtttatagat agttgggtgg ttgggtgtaa atgagtgagg caggagtccg      60
aggaggtttag ttgtggcaat aaaaatgatt aaggatacta gtataagaga tcagggttcgt    120
cctttagtgt tgtgtatggc tatcatttgt tttgaggtta gtttgattag tcattgtttgg    180
gtggaatta g                                     191
```

```
<210> 775
<211> 192
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(192)
<223> n = A,T,C or G
```

<400> 775

ccatggctaa gntatataga tagctgggtg gctggagtaa atgantgagg nacgagtcog 60  
 angaggtag ttgaggcaat aaaaatgatn aaggatacta gtataagaga tcangttcgt 120  
 cctttacatg ttgngtatgg ctatcatttg ttttgaggct agnttgatta gtcattgttg 180  
 ggtggttaatt aa 192

<210> 776  
 <211> 144  
 <212> DNA  
 <213> Homo sapien

<400> 776  
 ctgacccctt agaaccctgg ctctgccatt agctaggacc taagactctg cccacatttt 60  
 ggtctgttct ctcccattac acatagggtt gtctcagcat gcaagagttt ttcctttaaa 120  
 aaaaaaaaaa aaaaaaaaaa aaaa 144

<210> 777  
 <211> 483  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(483)  
 <223> n = A,T,C or G

<400> 777  
 cctactatgg gtgntaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60  
 gctgttcctc tttggactaa cagttaagtt tacaagggga ttttagagggt tctgtgggca 120  
 aattttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt 180  
 ttgtgcctc tacctataaa tcttccact attttgctac atagacgggt gtgctctttt 240  
 agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggtctc ccttgcaaag 300  
 ttattttctag ttaattcatt atgcagaagg tataggggnt aagtccttgc tatattatgc 360  
 ttggatataa tttttcatct ttcccttgcg gtactatctc tattgcgcca ggtttcaatt 420  
 tctgccgcct atactttatt tgggtaaatg gtttggtctaa ngttgctggt agaaggtgga 480  
 gtg 483

<210> 778  
 <211> 393  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(393)  
 <223> n = A,T,C or G

<400> 778  
 ctgcattttt attgcatctt gcagatgaac tgggaaaatc tcattttaca acagaactga 60  
 gacagacgac caccatattc actgaggtct aaattttgcag tttccactaa tgacattttg 120  
 atttcccaac agagatactt ctggtcttac tgcacagctc ttttaagagaa atacttccat 180  
 tatgccacat tgtccttgat ccgtaagtga tgtgttaagg tgcttcaaag gaactctgac 240  
 ctctgaagta cttgagctac tttagtatgt ccagcctatt gctttttggt ttagngngtc 300  
 accataaata ctaggggcat aaaaggctat ctattcttaa ttcaaggata aaacagaaga 360  
 agcttggtgn ataaaacaat agtcaagatc cag 393

```
<220>  
<221> misc_feature  
<222> (1)...(277)  
<223> n = A,T,C or G
```

```
<210> 780
<211> 328
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G
```

<400> 780						
catgntatgg	ataaccatnt	taactgtatt	ttntgcancc	cgtaccttct	tgggaataca	60
atgtgctaac	tttttatttt	tggngctggct	gttgtgggtgt	gcaaaactcc	gtacattgct	120
attttgccac	actgcaacac	cttacagatg	tggaagatgt	gaaatttgtc	atcaattatg	180
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<210> 786

<211> 108

<212> PRT

<213> Homo sapiens

<400> 786

Arg Arg Ser Cys Glu Pro Ala Thr Arg Val Pro Glu Val Trp Ile Leu  
                   5                  10                  15  
 Ser Pro Leu Leu Arg His Gly Gly His Thr Gln Thr Gln Asn His Thr  
                   20                  25                  30  
 Ala Ser Pro Arg Ser Pro Val Met Glu Ser Pro Lys Lys Lys Asn Gln  
                   35                  40                  45  
 Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile  
                   50                  55                  60  
 Arg Ile Gln Leu Arg Ser Gln Val Leu Gly Arg Glu Met Arg Asp Met  
                   65                  70                  75                  80  
 Glu Gly Asp Leu Gln Glu Leu His Gln Ser Asn Thr Gly Asp Lys Ser  
                   85                  90                  95  
 Gly Phe Gly Phe Arg Arg Gln Gly Glu Asp Asn Thr  
                   100                  105

<210> 787

<211> 152

<212> PRT

<213> Homo sapiens

<400> 787

Arg Pro Lys Glu Glu Val Pro Arg Ser Lys Ala Leu Glu Val Thr Lys  
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 Leu Ala Ile Glu Ala Gly Phe Arg His Ile Asp Ser Ala His Leu Tyr  
                   20                  25                  30  
 Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp  
                   35                  40                  45  
 Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser

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<210> 788
<211> 1633
<212> DNA
<213> Homo sapiens
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<210> 789
<211> 200
<212> PRT
<213> Homo sapien
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&lt;400&gt; 789

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 20 25 30  
 Glu Val Pro Val Asn Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg  
 35 40 45  
 Trp Lys Thr Met Ser Gly Lys Glu Lys Ser Lys Phe Asp Glu Met Ala  
 50 55 60  
 Lys Ala Asp Lys Val Arg Tyr Asp Arg Glu Met Lys Asp Tyr Gly Pro  
 65 70 75 80  
 Ala Lys Gly Gly Lys Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro  
 85 90 95  
 Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys  
 100 105 110  
 Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys Leu Gly  
 115 120 125  
 Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr Ile Thr  
 130 135 140  
 Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala Asp Tyr  
 145 150 155 160  
 Lys Ser Lys Gly Lys Phe Asp Gly Ala Lys Gly Pro Ala Lys Val Ala  
 165 170 175  
 Arg Lys Lys Val Glu Glu Glu Asp Glu Glu Glu Glu Glu Glu Glu  
 180 185 190  
 Glu Glu Glu Glu Glu Asp Glu  
 195 200

&lt;210&gt; 790

&lt;211&gt; 457

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 790

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 tagatatttg acttaaacta tctcaataaa gttttgc 457

&lt;210&gt; 791

&lt;211&gt; 126

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 791

Ser Pro Val Leu Gly Thr Arg Arg Ser Cys Glu Pro Ala Thr Arg Val  
 5 10 15

Pro Glu Val Trp Ile Leu Ser Pro Leu Leu Arg His Gly Gly His Thr

20                      25                      30  
 Gln Thr Gln Asn His Thr Ala Ser Pro Arg Ser Pro Val Met Glu Ser  
                     35                      40                      45  
 Pro Lys Lys Lys Asn Gln Gln Leu Lys Val Gly Ile Leu His Leu Gly  
                     50                      55                      60  
 Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Cys Ala Thr  
                     65                      70                      75                      80  
 Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly Ile Asn  
                     85                      90                      95  
 Leu Asp Leu Gly Ser Gly Val Lys Val Lys Ile Ile Pro Lys Glu Glu  
                     100                      105                      110  
 His Cys Lys Met Pro Glu Ala Gly Glu Glu Gln Pro Gln Val  
                     115                      120                      125

<210> 792  
 <211> 461  
 <212> DNA  
 <213> Homo sapiens

<400> 792  
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 atatttgact taaactatct caataaagtt ttgcagcttt c 461

<210> 793  
 <211> 108  
 <212> PRT  
 <213> Homo sapiens

<400> 793  
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 Ser Pro Leu Leu Arg His Gly Gly His Thr Gln Thr Gln Asn His Thr  
                     20                      25                      30  
 Ala Ser Pro Arg Ser Pro Val Met Glu Ser Pro Lys Lys Lys Asn Gln  
                     35                      40                      45  
 Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile  
                     50                      55                      60

0964956.0504

Arg Ile Gln Leu Arg Ser Gln Val Leu Gly Arg Glu Met Arg Asp Met  
65 70 75 80

Glu Gly Asp Leu Gln Glu Leu His Gln Ser Asn Thr Gly Asp Lys Ser  
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Gly Phe Gly Phe Arg Arg Gln Gly Glu Asp Asn Thr  
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<210> 794

<211> 970

<212> DNA

<213> Homo sapiens

<400> 794

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<210> 795

<211> 152

<212> PRT

<213> Homo sapiens

<400> 795

Arg Pro Lys Glu Glu Val Pro Arg Ser Lys Ala Leu Glu Val Thr Lys  
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Leu Ala Ile Glu Ala Gly Phe Arg His Ile Asp Ser Ala His Leu Tyr  
20 25 30

Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp  
35 40 45

Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser  
50 55 60

Thr Phe His Arg Pro Glu Leu Val Arg Pro Ala Leu Glu Asn Ser Leu

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<210> 796
<211> 2435
<212> DNA
<213> Homo sapiens

<400> 796
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<210> 797

<211> 120

<212> PRT

<213> Homo sapiens

<400> 797

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Ala Ser Gly Ala Gly Val Gly Leu Gly Thr Ala Gly Ser Arg Pro Asp  
 20 25 30

Arg Gly Gly Val Gly Gly Glu Thr Arg Ala Ala Leu Ala Arg Ala Pro  
 35 40 45

Pro Pro Gly Arg Ala Glu Trp Tyr Gly Pro Ala Gly Val Lys Ala Gly  
 50 55 60

Gly Arg Arg Arg Val Pro Arg Arg Arg Arg Arg Trp Gly Cys Val Gln  
 65 70 75 80

Glu Glu Arg Trp Ala Gly Pro Ala Arg Val Gly Gly Arg Pro Arg Gly  
 85 90 95

Pro Gly Arg Ala Ala Ala Arg Arg Ala Ala Ala Ser Thr Arg Ala Ala  
 100 105 110

Ser Pro Arg Cys Thr Thr Cys Arg  
 115 120

<210> 798

<211> 164

<212> PRT

<213> Homo sapiens

<400> 798

Pro Arg Val Arg Gly Arg Val Gly Ser Ala Ser His Gly Gly Thr Trp  
 5 10 15

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 Ala Ala Gly Ser Gly Glu Lys Arg Ala Leu Pro Trp His Gly Pro Pro  
                   35                  40                  45  
 Pro Pro Ala Ala Arg Asn Gly Met Ala Arg Pro Glu Leu Arg Pro Gly  
                   50                  55                  60  
 Gly Gly Gly Glu Ser Arg Gly Gly Gly Asp Asp Gly Ala Ala Cys Arg  
                   65                  70                  75                  80  
 Arg Asn Ala Gly Gln Gly Arg Arg Gly Ser Gly Gly Ala Arg Gly Ala  
                   85                  90                  95  
 Arg Ala Glu Arg Arg Arg Ala Gly Arg Gln His Pro Leu Gly Pro His  
                   100                  105                  110  
 Arg Arg Gly Ala Gln Arg Ala Ala Glu Arg Ala His Pro Ala Ala Ala  
                   115                  120                  125  
 Val Arg Val Gly Pro Arg Gln Gly Ala Glu Pro Arg Gly His Asp Pro  
                   130                  135                  140  
 Gly Gly Pro Arg Gln Arg Ala Pro His Arg Cys Pro Leu Asp Gln Arg  
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<210> 799  
 <211> 60  
 <212> PRT  
 <213> Homo sapiens

<400> 799  
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                   20                  25                  30  
 Arg Arg Gly Arg Gly Arg Asn Ala Arg Cys Pro Gly Thr Gly Pro Pro  
                   35                  40                  45  
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<210> 800  
 <211> 2477  
 <212> DNA  
 <213> Homo sapien

&lt;400&gt; 800

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&lt;210&gt; 801

&lt;211&gt; 1619

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 801

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&lt;211&gt; 3115

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 802

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<210> 803

<211> 1238

<212> DNA

<213> Homo sapien

<400> 803

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&lt;210&gt; 804

&lt;211&gt; 4637

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 804

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<211> 394

<212> PRT

<213> Homo sapiens

<400> 805

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35 40 45

Asp Cys Arg Pro Phe Leu Ala His Ser Ala Gly Tyr Ile Leu Gly Ser  
50 55 60

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Pro	Arg	Ala 115	Glu	Ser	Leu	Arg	Glu 120	Asp	Ser	Thr	Val	Ser 125	Leu	Val	Val
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Arg Gly Lys Thr Pro Ala Thr Pro Thr Ser Gln Phe Val Phe Ser Phe  
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Pro Val Ser Val Gly Val His Ser Ala Pro Ser Ser Leu Pro Tyr Leu  
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His Ser Pro Ile Thr Thr Ser Pro Ser Cys  
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<210> 806

<211> 302

<212> PRT

<213> Homo sapiens

<400> 806

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Ser Leu Val Val Gln Ala Leu Arg Arg Asn Ala Glu Arg Thr Asp Ile  
35 40 45

Cys Leu Leu Lys Gly Gly Tyr Glu Arg Phe Ser Ser Glu Tyr Pro Glu  
50 55 60

Phe Cys Ser Lys Thr Lys Ala Leu Ala Ala Ile Pro Pro Pro Val Pro  
65 70 75 80

Pro Ser Ala Thr Glu Pro Leu Asp Leu Gly Cys Ser Ser Cys Gly Thr  
85 90 95

Pro Leu His Asp Gln Gly Gly Pro Val Glu Ile Leu Pro Phe Leu Tyr  
100 105 110

Leu Gly Ser Ala Tyr His Ala Ala Arg Arg Asp Met Leu Asp Ala Leu  
115 120 125

Gly Ile Thr Ala Leu Leu Asn Val Ser Ser Asp Cys Pro Asn His Phe  
130 135 140

Glu Gly His Tyr Gln Tyr Lys Cys Ile Pro Val Glu Asp Asn His Lys  
145 150 155 160

Ala Asp Ile Ser Ser Trp Phe Met Glu Ala Ile Glu Tyr Ile Asp Ala  
165 170 175

Val Lys Asp Cys Arg Gly Arg Val Leu Val His Cys Gln Ala Gly Ile  
180 185 190

Ser Arg Ser Ala Thr Ile Cys Leu Ala Tyr Leu Met Met Lys Lys Arg  
195 200 205

0549325-050301

Leu Pro Tyr Leu His Ser Pro Ile Thr Thr Ser Pro Ser Cys  
290 295 300

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tatacgcaag aggaaatgag aagggaatcc aaatgtcatt aaaaaaaaaa 3829

```

&lt;210&gt; 808

&lt;211&gt; 781

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 808

```

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gaagaggaac cagcaggctt ccggagggtt gtgtgggtcag tgactcagag tgagaaggcc 180
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gccataacta gggaggaagg agggccgagg agtgaggagg ctgaggcgaa gctggggtgc 300
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cagacgggac caggagaggg acggcatgag cgacacacac aaacacagaa ccacacagcc 420
agtcccagga gccagtaat ggagagcccc aaaaagaaga accagcagct gaaagtcggg 480
atcctacacc tgggcagcag acagaagaag atcaggatac agctgagatc ccagtgcgcg 540

```



&lt;400&gt; 810

```

atganaagga gatgacacaa aagttagatc tcatcacaag tgatttggca gattaccagc 60
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acacggatgc cgaggaggca ggggtgagca ccgatgccgg cggccactat gactgcccgc 180
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cgcccatcgt ggagcggcac gtgctgcgcg cccacacgtt ctctgcgcag agcggctacc 300
gcgtcccagg gcccagccc ggcacaaaac actccctctc ctcgggcggc ttctcccccg 360
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actctcagaa gcccccaacg catcccgga caagtgcag ctattctgcc cccagagact 540
gcctcacacc cctcaaccag acggccatga ctgccctttt gtgaacacaa tgtgaaagaa 600
gcctgctgtg gtactgagcg tcgg                                     624

```

&lt;210&gt; 811

&lt;211&gt; 572

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 811

```

agcgggctgt gaggacgctc tgggccaggc tgcagcgca gcgttcgag ctgctgggct 60
ctttcgagga tgttctgata cgcgcgtcgg cctgcctgga ggaggcgcc cgggagcgcg 120
acggcctgga gcaggcgctg cggaggcgcg agagcgagca cgagaggag gtgcgcgctc 180
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cccgcgggga gcggagaagc cgtctggagc tggagctgca gatccgcgag caggacctgg 300
aacgcgcggg cctgcggcag cgggagttag agcagcagct gcacgcccag gctgcggagc 360
acctggaggc acaggcccag aactcccagc tgtggcgggc gcacgaggcg ctgcgaacgc 420
agctggaggg ggcgaggag cagatccgca ggctggagag cgaagcacga ggccgccagg 480
agcaaaccca acgagacgtg gtcgccgtct ccaggaacat gcagaaagag aaagtcagcc 540
tgctacggca actggagctg ctcaggggagc tg                                     572

```

&lt;210&gt; 812

&lt;211&gt; 594

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(594)

&lt;223&gt; n=A,T,C or G

&lt;400&gt; 812

```

cggaagttgg cgcagcgcgg ttgccaatgg tcgctcctg atttnatgcc gctcgtgggtg 60
ttttcgggc tgccgtacag cggcaagage cggcgctgctg aagagttgcg cgtggcgctg 120
gctgcgagag gccgcgcggt gtacgtgggtg gacgacgcag ctgtcctggg cgcagaggac 180
ccagcgggtgt acggcgattc tgcccgtgag aaggcattgc gtggagctct gcgagcctcc 240
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ggtttccgtt acgagctcta ctgcctggca cgggcggcgc gcaccccgtc ctgcctggtc 360
tactgcgtac ggcccggcgg cccgatcgcg ggacctcagg tggcggggcg gaacgagaac 420
cctggccgga acgtcagtgt gaggttggcg ccacgcgctg aggaggacgg gagagcccag 480
gcggcgggca gcagcgtcct cagggaactg catactgcgg actctgtagt aaatggaagt 540

```

gcccagggccg acgtacccaa ggaactggag cgagaagaat ccggggctgc ggag 594

<210> 813  
<211> 561  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(561)  
<223> n=A,T,C or G

<400> 813  
tctgacacac gagaccggtt atcccatctc cgcgcccctc tgtgggtatt acacagccac 60  
tagatgaagc caaacattgt tggagggtact gaaatcttag actccaccat gtgtccagga 120  
nccattgac gtccctctctt ctgaaaactc cgtgtggccc tcgctctgca ctgtcatgag 180  
gcggtgatgg agctagatac ccaccacgga caatgatcat cagtttgggg ttctctgggt 240  
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agctctcgcn cnatatctgc g 561

<210> 814  
<211> 307  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(307)  
<223> n=A,T,C or G

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tttttttttt tttttggngg agggaaantt ncagacatag ctttattgct gactcctgcc 180  
cccttcanag ccctagtcac aggcnnacagg gntgttttgt aanttaant ttcnggaaaa 240  
tngngtntt tntgcatnca anagaagggn tgccaaangn ggggtattgc ttctgggtgg 300  
nttacct 307

<210> 815  
<211> 784  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
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<223> n=A,T,C or G

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agacagcaag acctgtccct ttctgtctcc agttattcac tgagtaccag atgtttcaca 720
gccttcncat gtttattttt ctggaaaatg ggttaaaaat atnggtanga acctttggga 780
aaac 784

```

```

<210> 816
<211> 813
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(813)
<223> n=A,T,C or G

```

```

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agcagctgct gccagagccc tcttgtagct tctttatttt ctgtttcttt ccagctttcc 180
taccctccta tcccccttg tgtttgggcc acaattttga aataattttt attataggta 240
tgtgctgcc aagccagatt tttataagggt aaaataaatt aagaatttaa acagtaaaag 300
ccagtgtctc aaaatgtcag cattaataatg tgaaggggac agcagggtgt gaaccggaaa 360
cacacattgc caaacagttg ccaactgaac tgctgcttct catggtccgt tcttttcttt 420
gcccttaagg tcaatgccag tgtccagacg agcagtgtag aaaagctccc tgtgtgggtt 480
gtcgtgaggt ctgcttgat ctcttcaactg gcgttagttt cattagctct ttattctcct 540
tacgttcgag tgaatctgcc aagaacactg gtggatagta ttatcctaac acttttggtt 600
tggtggcggg gagggggcag ggaatagtga gctggcttta ccacctcag gatctcgaat 660
tggtgcgttg aacctaagaa agattgtgga cttatcaaaa gtcaccgctc agtggttcgtc 720
aagcatgtat ttatgtgacn atcatactag ggaggggatg gttgggaatt cttccatgtg 780
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```

```

<210> 817
<211> 229
<212> DNA
<213> Homo sapiens

```

```

<220>
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<222> (1)...(229)
<223> n=A,T,C or G

```

```

<400> 817
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acanacacat ttttttttcc aggtaaaagc tgttttttagt ttgtagtaca aatgtgactg 180

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229

```
<220>  
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<222> (1)...(781)  
<223> n=A,T,C or G
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```
<210> 819
<211> 199
<212> DNA
<213> Homo sapiens
```

```
<220>
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<223> n=A,T,C or G
```

```
<210> 820
<211> 211
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> (1)...(211)  
<223> n=A,T,C or G
```





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587

<210> 823

<211> 264

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(264)

<223> n=A,T,C or G

<400> 823

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ntccnncnc ccaacccgcc aagggcctgc ctttctnct gggcctttgc cagcgnntng 180  
ccanaccggg gccaaacggg nccccgggca cattttaacc nagggcnenc ttntagaana 240  
aaaccccggn tgatgttata aagg 264

<210> 824

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(520)

<223> n=A,T,C or G

<400> 824

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gttaacaaaa taggaaantc tattngaact aacaatcatc tctttgaatc tgcntatccc 180  
attaaaagca ttttctcaa tattcctcat atcggttatg gncaatggat acccatctga 240  
gctggttgan ccttttaaat tnattatact taactttttg aaggctgtta tacccaaggg 300  
acaaacctaa ncaaccanca gatatacttg anggtntctc ctgtnatttc tcagattcca 360  
atataccatt ttgccttnac acctacagcc cttaggggca tccctnttcc ncanaacaaa 420  
ncattntcac taagacagnc tggggtnttn caccaatggc taccaaacct ctgnccgcna 480  
cccaccgcnt aaanggcnga aattnccnan ccacacgggt 520

<210> 825

<211> 2064

<212> DNA

<213> Homo sapiens

<400> 825

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tcgtaaacac actctctctc accggcgccct cccctctcgc tctgcgcgcc gcccggtg 180  
gcgcccaggc ccgctccgac tgctatgtga ccgcgaggct gcgggaggaa ggggacaggg 240  
aagaagaggc tctcccgcgg gagcccttga ggaccaagtt tgcgccact tctgcaggcg 300  
tcccttctta gctctcgccc gccctttctt gcagcctagg cggcccggtt tctcttctct 360  
tctctcgcg cccagccgcc tcggttcccg ggcacatgg tgacgatgga ggagctgagg 420  
gagatggact gcagtgtgct caaaaggctg atgaaccggg acgagaatgg cggcggcgcg 480

```

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tgtaacacca tcgtgcggcg gcgggctaag ggctccgtga gcctggagca gatcctgccc 660
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gacgagcgca gcccgcgcg cgagagcctc cgcgaggaca gcaccgtgtc gctggtggtg 780
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agcaaattgt cccaaccagc tttactaaag ggggaggaag ggagggcaaa gggatgagaa 1980
gacaagtttc ccagaagtgc ctggttctgt gtacttgtcc ctttgttgtc gttgttgtag 2040
ttaaaggaat ttcatttttt aaaa 2064

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<210> 826  
 <211> 2109  
 <212> DNA  
 <213> Homo sapiens

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<400> 826
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gcgggaggaa ggggacaggg aagaagaggc tctcccgcgg gagcccttga ggaccaagtt 240
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cggcccaggt tctcttctct tcctcgcgcg cccagccgcc tcggttccc gcgaccatgg 360
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gcggcaagtg cctgctgctg gactgcagac cgttcctggc gcacagcgcg ggctacatcc 540
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gcctggagca gatcctgccc gccgaggagg aggtacgcgc ccgcttgccg tccggcctct 660
actcggcggt catcgtctac gacgagcgca gccgcgcgc cgagagcctc cgcgaggaca 720
gcaccgtgtc gctggtggtg caggcgctgc gccgcaacgc cgagcgccc gacatctgcc 780
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acaagtgcac cccagtggaa gataaccaca aggcgcacat cagctcctgg ttcattggaag 1140
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```
<210> 827
<211> 394
<212> PRT
<213> Homo sapiens
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Met Val Thr Met Glu Glu Leu Arg Glu Met Asp Cys Ser Val Leu Lys  
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Arg Leu Met Asn Arg Asp Glu Asn Gly Gly Gly Ala Gly Gly Ser Gly  
20 25 30

Ser His Gly Thr Leu Gly Leu Pro Ser Gly Gly Lys Cys Leu Leu Leu  
35 40 45

Asp Cys Arg Pro Phe Leu Ala His Ser Ala Gly Tyr Ile Leu Gly Ser  
50 55 60

Val	Asn	Val	Arg	Cys	Asn	Thr	Ile	Val	Arg	Arg	Arg	Ala	Lys	Gly	Ser
65					70					75					80

Val Ser Leu Glu Gln Ile Leu Pro Ala Glu Glu Glu Val Arg Ala Arg  
85 90 95

Leu Arg Ser Gly Leu Tyr Ser Ala Val Ile Val Tyr Asp Glu Arg Ser  
100 105 110

Pro Arg Ala Glu Ser Leu Arg Glu Asp Ser Thr Val Ser Leu Val Val  
115 120 125

Gln Ala Leu Arg Arg Asn Ala Glu Arg Thr Asp Ile Cys Leu Leu Lys  
130 135 140

Gly Gly Tyr Glu Arg Phe Ser Ser Glu Tyr Pro Glu Phe Cys Ser Lys  
145 150 155 160

Thr Lys Ala Leu Ala Ala Ile Pro Pro Pro Val Pro Pro Ser Ala Thr

```
<210> 828
<211> 453
<212> DNA
<213> Homo sapien

<400> 828
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gaaaacatgg	gcgcttacac	tgttgctgct	gcctctacgt	tcaatggctt	ccagaggccg	240
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gacttcccac	ccgaagtaga	ggaacaggat	gccagcacc	tgctgtgtc	ttgtgcctgg	360
gagagtggga	tgaacgccca	cagagcagcc	tgtgcttcgg	ctagtattaa	tgtgtagata	420
gcactctggt	agctgttaac	tgcaagttaa	gct			453

&lt;210&gt; 829

&lt;211&gt; 452

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 829

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aagcaactcc	aagtaaaggc	tgtcacctgt	gggcccgtgga	acacctacgt	gtatgctgtg	120
gagaaaggga	agagctgaca	tgtgtacgta	tatgtatatg	caacacctgt	gagaccccca	180
ttcaggtcaa	ggaaaaccgt	tgctgcacc	ccaagggccc	catatttgcc	cctccccatc	240
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ggagagcatt	gaaaactctg	ctgcctaagg	tcagcatcaa	tcaaaacaat	gaaatcaatg	360
aaacaatgaa	accagagctt	ctaggtgtgt	ggcctggata	gtggtagatt	caaagctcca	420
cccacctcat	cccaggtaca	tttgatgtgc	ag			452

&lt;210&gt; 830

&lt;211&gt; 450

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 830

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acaagacaac	ctgaagctaa	atggatgcc	cctgcagagt	caacaggtec	agcctcacag	120
tgacgccc	gagctacagc	ctctccaaa	aggcatcttc	cccacagcct	caacgccgag	180
caaggagcat	caagggtttg	tctcggttgt	tttgttcttt	ttacaaacta	tagatatata	240
cagttgaaaa	ctcaggattt	ctagccaata	accatagtta	ccaccacctt	acaaataaaa	300
agaaaatgcc	agaaacatct	ttaaatgcct	tgtcacacca	acagcaaagt	gcacagagtg	360
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acagtttcag	ggtgctccag	acacccatgg				450

&lt;210&gt; 831

&lt;211&gt; 395

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 831

ctctaaaccc	ctccacattc	ccgcggtcct	tcagactgcc	cggagagcgc	gctctgcctg	60
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ctttgcctgg	ccgggagggc	cttggcagcc	cctcagcaag	aagccctgcc	tgatgagaca	180
gaggtggtgg	aagaaactgt	ggcagaggtg	actgaggtat	ctgtgggagc	taatcctgtc	240
caggtggaag	taggagaatt	tgatgatggt	gcagaggaaa	ccgaagagga	ggtggtggcg	300
gaaaatccct	gccagaacca	ccactgcaaa	cacggcaagg	tgtgcgagct	ggatgagaac	360
aacaccccc	tgtgcgtgtg	ccaggacccc	accag			395

&lt;210&gt; 832

&lt;211&gt; 291

<212> DNA  
<213> Homo sapien

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ggtaaatatt ctgtcttctc taactcccca tactcccttg tcttccactc tccacttagg 120  
agttttttgt gagttatgtc cttgttgctt ttgcctcttt ttctttctag ctttgattgt 180  
gccagaagac aatgtcccta ttcacacact ctttctgctt ttctgtgggc aggaacatgg 240  
aaggggtgct gatggacgtg gactgtgaga gcgtctaccc cactgtgtag g 291

<210> 833  
<211> 491  
<212> DNA  
<213> Homo sapien

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ctatctgcct tccaggccac tgtcacggct tccgggtaga agtcacttat gagacacacc 180  
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agagtggctg tggtcccaga gttggagcca gagaagcgct cagggatccc tgaagaccgc 420  
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gcagatacct g 491

<210> 834  
<211> 308  
<212> DNA  
<213> Homo sapien

<400> 834  
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tacttctgcc gtgctggaga acatcgaact gaacaagaag agtatgtatt ccggtgtgcc 120  
agagtgccag gtcaccacat actattatgt tgggttcgca tatttgatga tgcgtcgta 180  
ccaggatgcc atccgggtct tcgccaacat cctcctctac atccagagga ccaagagcat 240  
gttccagagg accacgtaca agtatgagat gattaacaag cagaatgagc agatgcatgc 300  
gctgctgg 308

<210> 835  
<211> 472  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(472)  
<223> n = A,T,C or G

<400> 835  
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tctgccatag ccgccttgtg aggactggtg ggagctggga gggccactgt agttctggcc 180  
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gcgcgccccca gaacctccgc cgtagccccc gtgtgaccct gggttgtagg atgccccgcc 300  
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 gtagngttag tcggatccgc ccccgcccc gggagagttg tngganttcg agtaggagta 420  
 gctgccttgt ccatggttat agcctttctg cttgcctgt ggagggccat ag 472

<210> 836  
 <211> 354  
 <212> DNA  
 <213> Homo sapien

<400> 836  
 ccagtgaac cttcagatag acacatgggtg accagagccc gccaggcttc tgcagggtggc 60  
 agtgtcgagc aagtgtgaaga tgtctgtggg aaggagaagc tcctgaaatg aacgttctgc 120  
 aaacagaagg ctgaggggtc ttccaggcat gtccagtcac taggagctgc caccgggtggg 180  
 cttgagtgcc aggcctctagg ctttgtgcag aaagcaccgc gggcgggggg cggttaaggga 240  
 gagcaaaatg ggtctctctc aactgcagtc agtgctcctg ggaacacggt ctacacagaca 300  
 gcacatatcc tacgtcacag ctctagggtt tcaaggactt agccatccga cagg 354

<210> 837  
 <211> 318  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(318)  
 <223> n = A,T,C or G

<400> 837  
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 aacggggcgg atggcgccca gccagccct aactgccagc cacattgaag cggacattgg 180  
 caaccgggtc cccagccatg cgcagaaccg tgggtagcat gtgcttggtg gtgatgtcct 240  
 gccacagac ctcagacggc acattgatgc agaagagcgt antcatgcgg tgcaggtagt 300  
 tggggtctcc ggacatgg 318

<210> 838  
 <211> 277  
 <212> DNA  
 <213> Homo sapien

<400> 838  
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 cggaaatcca ttgcccggtg tctcacagtt attaaccaga ctcagaaaga aaacctcagg 120  
 aaattctaca agggcaagaa gtacaagccc ctggacctgc ggcctaagaa ggcacgtgcc 180  
 atgcgccgcc ggctcaacaa gcacgaggag aacctgaaga ccaagaagca gcagcggaag 240  
 gagcggctgt acccgctgcg gaagtacgcg gtcaagg 277

<210> 839  
 <211> 276  
 <212> DNA  
 <213> Homo sapien

<400> 839



ccaaggaatg caggetgtac tatctgcgaa atggagaacg tatttcagtg tcggcagcct 60  
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 ggctctcagg aaatatgttc tccacgggta gtgggaacac ttatgcctac ggggtcatgg 240  
 acagtggcta tcggcctaata cttagccctg aagagg 276

<210> 840  
 <211> 453  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(453)  
 <223> n = A,T,C or G

<400> 840  
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 acttgaccat caaggagatg tcttgccattg cagaggatgt catcattgtc accagcagcc 120  
 taacaaaaga catgactggg aaagaagaca actaccgggg cccggccgtg cgagccctct 180  
 gccagatcac tgatagcacc atgctgcagg ctattgagcg ctacatgaaa caagccattg 240  
 tggacaaggt gcccagtgtc tccagctctg ccctcgtgtc ttccttgcac ctgctgaagt 300  
 gcagctttga cgtgggtcaag cgctgggtga atgaggctca ggaggcagca tccagtata 360  
 acatcatggt ccagtaccac gcactanggc tcctgtacca tgtgcgtaag aatgaccgcc 420  
 tagccgtcaa taagatgata agcaaggctg cac 453

<210> 841  
 <211> 142  
 <212> DNA  
 <213> Homo sapien

<400> 841  
 agcctctcta gtggcagagc agctcacact ccctccgctg ggaacgatgg cttctgccta 60  
 gtacctatcc ttgtgtttct gatgcagtgg tagcattggg tcaagttctc tcctgctgtg 120  
 gtcagagttg cttcgatggt gg 142

<210> 842  
 <211> 83  
 <212> DNA  
 <213> Homo sapien

<400> 842  
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 ccaaacatat aactgaactc ccc 83

<210> 843  
 <211> 482  
 <212> DNA  
 <213> Homo sapien

<400> 843  
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 agctgtccca ggcgtcacia cccatcctcc caggctgggg gagaaggac ctccctggaac 120  
 tgacttcttc tgtcaggagg actggtttcc agccatacct gttctggaag ggagaggggg 180

tggaggcacc cacaggcaca agctgaaggc agcagcttgg ctaatactga gcaggtagtg 240  
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 ctggtaaagc cctcctctt ggccacctcag aatcacagt ttactgatca gggatgtgag 360  
 gctgctgttg ggggtggggg gaggggaatg ggcaggcaag ccagtcttct gtcttccttt 420  
 gctaacttag ggttttgagc aggttggggg tatggtgcct gtcataccca cctgccaccc 480  
 tg 482

<210> 844  
 <211> 534  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(534)  
 <223> n = A,T,C or G

<400> 844  
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 ttagaagcag agttggaggc acaattagta caggctgaac aaagaaatag agacttgag 180  
 gctgataacc aaagactgaa atatgaagcg gaggcattaa aggagaagct agagcatcaa 240  
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 attaaggagc agttgcataa gtatgtgaga gagctggagc aggccaacga cgacctggag 360  
 cgagccaaaa gggcaacaat agtttccactg gaagactttt gaacaaaggc taaaccaggc 420  
 cattgaacga aatgcatttt tagaaagttg aacttgatga aaaaggaatc tttgttggtc 480  
 tctgtacaga ggttnaagga tgaagcanga gatttaaggc aagaactagc agtt 534

<210> 845  
 <211> 175  
 <212> DNA  
 <213> Homo sapien

<400> 845  
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 aaggctaaaa gacgaaatac caccggaact ggtcggatga ggcacctaaa aattgtatac 120  
 cgcagattca ggcattgatt ccgtgaagga acaacacctt aaccaagag ggcag 175

<210> 846  
 <211> 179  
 <212> DNA  
 <213> Homo sapien

<400> 846  
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 ccgtcccagg atgggagAAC tgcgcagcag gaagggcact tctgaaagca cagtggagag 120  
 atcgtggag cgggcggttct gggcaggagg aagcacagac ggcaggcagg gtggactgg 179

<210> 847  
 <211> 410  
 <212> DNA  
 <213> Homo sapien

<400> 847

```
<210> 848
<211> 557
<212> DNA
<213> Homo sapien
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<220>
<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G
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gagcccaactt	ccatcctctc	tggtgtgagg	cacagcgagg	gcagcatctg	gaggagctct		120
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aactctaaaa	gatagacatc	agaaattggt	aagttaagct	ttttcaaaaa	accagcaatt		360
ccccagcgta	gtcaagggtg	gacactgcac	gctctggcat	gatgggatgg	cgaccgggca		420
agctttcttc	ctcgagatgc	tctgctgctt	gagagctatt	gctttgttaa	gatataaaaa		480
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<210> 849
<211> 525
<212> DNA
<213> Homo sapien
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<400> 849							
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caaagagga	agtgaaagcc	attaggcaag	ctatgtgctg	ggctgctaac	gtagcccttg		300
cagggagggg	tcaggagcgc	gctgcagtga	gccttgggtc	tcgcaggccc	agccctgctg		360
caaggagcca	gggcaccag	gaacatcag	cacacacaca	cacagggacc	ctcccttcac		420
gtcacttggt	ttgctgcctt	aaatggcttc	ttgcacccta	accactgac	ctggaagaag		480
gcagagagac	tggcccgtag	agagacctgc	aattctacgc	aaact			525

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<210> 850
<211> 384
<212> DNA
<213> Homo sapien
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<400> 850
cctcttgag caccatcctt actgcattgt ggacagcgag tgtaagtcaa gggatgtgct      60
ccagagttac tttgacctcc tgggggagct gatgaagttc aacgttgatg cattcaagag    120

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attcaataaa	tatatcaaca	ccgatgcaaa	gttccaggta	ttcctgaagc	agatcaacag	180
ctccctgggtg	gactccaaca	tgtgtgtgcg	ctgtgtcact	ctgtccctgg	accgatttga	240
aaaccagggtg	gatatgaaag	ttgccgaggt	actgtctgaa	tgccgcctgc	tcgcctacat	300
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gacgctgacc	caggagaacg	tcag				384

<210> 851  
 <211> 423  
 <212> DNA  
 <213> Homo sapien

<400> 851						
ctcaggaaaa	accagccact	gctttacagg	acaggggggtt	gaagctgagc	cccgcctcac	60
acccaccccc	atgcactcaa	agattggatt	ttacagctac	ttgcaattca	aaattcagaa	120
gaataaaaaa	tgggaacata	cagaactcta	aaagatagac	atcagaaatt	gttaagttaa	180
gctttttcaa	aagatcagca	attccccagc	gtagtcaagg	gtggacactg	cacgctctgg	240
catgatggga	tggcgaccgg	gcaagccttc	ttcctcgaga	tgctctgctg	cttgagagct	300
attgctttgt	taagatataa	aaaggggttt	ctttttgtcc	ttctgtaagg	tggaactcca	360
gcttttgatt	gaaagtccca	gggtgattct	atttctgctg	tgatttatct	gctgaaagct	420
cag						423

<210> 852  
 <211> 413  
 <212> DNA  
 <213> Homo sapien

<400> 852						
ctgaaaacag	tgggaggcca	gatgctggca	tottccagac	gggagcatag	ccatgggtcac	60
tctagccgat	gtctcctggg	gctctcaggc	ggcaaggacc	agatgcacca	ctactgtcca	120
atcccagttt	tacttagagc	cacctccttt	tttggggcca	ttagtcccta	tttcatgccca	180
gatttttact	agcggctccc	tgttcttcca	aatcaattca	tgaccgtaag	taacatacca	240
tattccaaaa	agagctcccc	caagatgtgc	cgcgatgatca	aaaaatttcc	atcccaggat	300
catttctgct	gtatccatgg	cgataatggc	tttcagggca	ttccctgctg	tgaacgtgaa	360
catcggaagg	aaaataatgg	caagcctccc	ttctgggata	ttagtgcaga	cag	413

<210> 853  
 <211> 288  
 <212> DNA  
 <213> Homo sapien

<400> 853						
atctgtgagt	tctgagaggc	atttaggcca	tgggacaggg	aggatcctgt	ctggccttca	60
gtttccatcc	ccaggatcca	cttgggtctgt	gagatgctag	aactcccttt	caacagaatt	120
cacttgtggc	tattagagct	ggaggcacc	ttagccactt	cattcccttg	atgggccttg	180
actcttcccc	ataatcactg	accagccttg	acactccctt	tgcaaaccat	cccagcactg	240
caccccaggc	agccactcct	agccttggcc	tttggcatga	gatggggg		288

<210> 854  
 <211> 427  
 <212> DNA  
 <213> Homo sapien

<400> 854						
ccaagtgaga	tcagccctca	agggcacatg	ccaagggcag	agcagcccat	gtagacagct	60

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<210> 855
<211> 311
<212> DNA
<213> Homo sapien
```

```
<210> 856
<211> 328
<212> DNA
<213> Homo sapien
```

```
<210> 857
<211> 502
<212> DNA
<213> Homo sapien
```

<400>	857						
ctgaccggac	cggtcatgcc	cgtccggaac	gtctataaga	aggagaaagc	tcgagtcatc		60
actgaggaag	agaagaattt	caaagccttc	gctagtctcc	gtatggcccg	tgccaacgcc		120
cggctcttcg	gcatacgggc	aaaaagagcc	aaggaagccg	cagaacagga	tgttgaaaag		180
aaaaaataaa	gccctcctgg	ggacttgga	tcagtcggca	gtcatgctgg	gtctccacgt		240
ggtgtgtttc	gtgggaacaa	ctgggcctgg	gatggggctt	cactgctgtg	acttctcctc		300
gccaggggat	ttggggcttt	cttgaaagac	agtccaagcc	ctggataatg	ctttactttc		360
tgtgttgacg	cactgtgact	tgttttggtt	gtgactgatg	taaaacgggt	ttcttgtggg		420
gaggttaacg	aggctgagct	cagagtggac	ttgtgttttt	tcttttttaa	gangtaaggt		480
tgggctggtg	ctcacagacc	tc					502

<210> 858  
 <211> 411  
 <212> DNA  
 <213> Homo sapien

<400> 858  
 cggccgaggt ccttaatagt taagttacag ctaagaatgt catgtcttgg gttggaattt 60  
 tcatttttag caccgttaat gtattcactt aaatctatgt tagcaccttg tctccaggca 120  
 gaacaacaaa ccatccaaac attttaaaaca ttgggggaaa cacgaagggg aggggttaaag 180  
 acagaatcca gtactgtgga aggagtggat ttagatcaca agatccttgt cgatatcctt 240  
 ctgcttgatg ccgaagcagc cggcccactc atccagggcg atgtacttgt cattgtccag 300  
 gtcacaggtc tcgaaaaagc ggggtgtgca atgctccatg gggatgaggg gagcacgcag 360  
 tggagccagc tcggtgtggg agaggtaccc gtcaatgggg tgctgtgtcca g 411

<210> 859  
 <211> 232  
 <212> DNA  
 <213> Homo sapien

<400> 859  
 aaatcacaga gggacttagt attccattaa tgcaaatgga aacattaagt tcatcatcag 60  
 atgataaaag gaaaaaaaaa acctgatact catctcaaaa gacgcagaga agacatctgc 120  
 ataaatccag tacctattat tatttcaaact ttaaaaactt cttctttttt aagagatagg 180  
 gtatcactat gttgcccagg ctgatcttga actcttggcc tcagatgata ct 232

<210> 860  
 <211> 235  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(235)  
 <223> n = A,T,C or G

<400> 860  
 tgcccagaaa ggaaggggct attgcctcct cccagccagc ttccctttcc tectctccct 60  
 cctgtggatt ctcccatcag ccactctggt ctctctttaa ggccagttga agatgggtccc 120  
 ttacagcttc ccaagttagg ttagtgatgt gaaatgctcc tgtccctggc cctacctcct 180  
 tccctgtccc caccctcgca taaggcagtt gttgggtttc ttccccaatn ctttt 235

<210> 861  
 <211> 457  
 <212> DNA  
 <213> Homo sapien

<400> 861  
 ccaaaggaaa gttggaaggc aactgacaga ttctgccttt taggtacttg aactggcagg 60  
 aaatgcatca aaagacttaa aggtaaagcg tattaccctt cgtcacttgc aacttgctat 120  
 tcgtggagat gaagaatttg attctctcat caaggctaca attgctggtg gtggatgtgt 180  
 aacttctaac attttaaaaa atttcttcag aggaaggaat tttttgctgc ttttaattag 240  
 tttttccagg agaggaaatt taagtatat ttcaatgatg gaagtatggt tgtatcatga 300  
 aatttgatgt atatgtataa ctcaatgaat ttttacctca tacttgagct gcatgttttt 360

aaagatacct ttcaagtiga acagtataca ctttcttggg ttcaaatact gtgatttttt 420  
 aaaaaatctt aagtagaatt aattcctgtc actcccc 457

<210> 862  
 <211> 561  
 <212> DNA  
 <213> Homo sapien

<400> 862  
 ccaggtcatc accattggca atgagcggtt cgggtgtccg gaggcgctgt tccagccttc 60  
 cttcctgggt atggaatctt gcggcatcca cgagaccacc ttcaactcca tcatgaagtg 120  
 tgacgtggac atccgcaaag acctgtacgc caacacggtg ctgtcgggag gcaccaccat 180  
 gtatccgggc attgccgaca ggatgcagaa ggagatcacc gccctggcgc ccagcaccat 240  
 gaagatcaag atcatcgcac ccccagagcg caagtactcg gtgtggatcg gtggctccat 300  
 cctggcctca ctgtccacct tccagcagat gtggattagc aagcaggagt acgacgagtc 360  
 gggccctcc ctgtccacc gcaaatgctt ctaaaccggac tcagcagatg cgtagcattt 420  
 gctgcattgg ttaattgaga atagaaattt gccctgggca aatgcacaca cctcatgcta 480  
 gcctcacgaa actggaataa gccctcgaaa agaaattgtc cttgaagctt gtatctgata 540  
 tcagcactgg attgtagaac t 561

<210> 863  
 <211> 291  
 <212> DNA  
 <213> Homo sapien

<400> 863  
 ccatagtctg cccacctatg gttttaaaaa cagactgtaa cttgatcttc tgaaatcctt 60  
 ctogaaccac aactcgttct gttaaagaaa tctagagaaa gaagtcctac tgatattgtc 120  
 gatagctccc aaaagggtgag gaaggtaact gagttgaagg caactgggag gggctctctg 180  
 caaactgagg accattggaa aactgtgcag aggcataatct tgtcaacaag ataccagctc 240  
 cttcaattaa agctaggaga atgccacca ttgcggctga cccaaccatg g 291

<210> 864  
 <211> 265  
 <212> DNA  
 <213> Homo sapien

<400> 864  
 ctgaactttt ccacctggag tccttgggaa tacccggacgt gatcttcttt tataggtcca 60  
 atgatgtgac ccagtcctgc agttctggga gatcaaccac catccgcgtc aggtgcagtc 120  
 cacagaaaac tgtccctgga ggtttgctgc tgccaggaac gtgtcagat gggacctgtg 180  
 atggctgcaa cttccacttc ctgtgggaga gcgcggctgc ttgcccgctc tgctcagtgg 240  
 ctgactacca tgctatcgtc agcag 265

<210> 865  
 <211> 144  
 <212> DNA  
 <213> Homo sapien

<400> 865  
 cctccacctg cgttttgatc tagatgagca tattgtccat ctcccacagc ttgctccggt 60  
 tccgcaggta cgcgcgcgcg tgctcgcgcg tcagcgacgc gatgtcctcg cgcctctcgt 120  
 tgatgaccgg gagcagaaac tgct 144

<400>	869						
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agttccatca	ggatcccatt	cgcagccttt	agcatcatgt	agaagcaaac	tgcacctatg		120
gttgagatag	gtgcaatgac	ctacaagatt	ttgtgttttc	tagctgtcca	ggaaaagcca		180
tcttcagtot	tgctgacagt	caaagagcaa	gtgaaaccat	ttccagccta	aactacataa		240
aagcagccga	accaatgatt	aaagacctct	aaggctccat	aatcatcatt	aaatatgccc		300
aaactcatgt	tgacttttta	ttttatatac	aggattaaaa	tcaacattaa	atcatcttat		360
ttacatqg							368



<210> 870  
 <211> 411  
 <212> DNA  
 <213> Homo sapien

<400> 870  
 ggcggtgtcct tggacttaga gagtggggac gtccggcttc ggagcgggag tgttcgttgt 60  
 gccagcgact aaaaagagaa tttaatattg gtgatgttga gaaaggcaag aagattttta 120  
 ttatgaagtg ttcccagtcg cacaccgttg aaaagggagg caagcacaag actgggcca 180  
 atctccatgg tctctttggg cgggagacag gtcaggcccc tggatactct tacacagccg 240  
 ccaataagaa caaaggcatc atctggggag aggatacact gatggagtat ttggagaatc 300  
 ccaagaagta catccctgga acaaaaatga tctttgtcgg cattaagaag aaggaagaaa 360  
 gggcagactt aatagcttat ctcaaaaaag ctactaatga gtaataattg g 411

<210> 871  
 <211> 385  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(385)  
 <223> n = A,T,C or G

<400> 871  
 tttttttttt tttnnttttt ttttttnaaa gattcacttt atttattcat tctcctccaa 60  
 cattagcata attaaagcca aggaggagga gggggggtga ggtgaaanat ganctggagg 120  
 accgcaatag gggtaggtcc cctgtggaaa aagggtcana ggccaaagga tgggaggggg 180  
 tcaggctgga actgagganc aggtgggggc acttntccct ntaacactnt cccctgttga 240  
 agctntttgt gacgggcnan ctcaggccct gatgggngac ttncnaggcg tanaactttgt 300  
 gtttctcgna ntctgctttg ctcanctca ggtgctgnt gaggctgtan ggtgctgtcc 360  
 ttgctgtcct gctntgngac actct 385

<210> 872  
 <211> 184  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(184)  
 <223> n = A,T,C or G

<400> 872  
 cttccttcgg tctttantat ttttgattgt tatgtaaaac tcgcttttat tttaatattg 60  
 atgtcagtat ttcaactgct gtaaaattat aaacttttat acttgggtaa gtcccccagg 120  
 ggcgagtcc tcgctctggg atgcaggcat gcttctcacc gtgcagagct gcaattggcc 180  
 tcag 184

<210> 873  
 <211> 397  
 <212> DNA  
 <213> Homo sapien

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<210> 874
<211> 156
<212> DNA
<213> Homo sapien
```

```
<210> 875
<211> 512
<212> DNA
<213> Homo sapien
```

<400> 875						
ccagcatatgc	gaaaacttgt	ctctactaaa	aatacaaaaa	ttagtcaggc	atggtggtgc	60
acgtctgtaa	taccagcttc	tcaggaggct	gaggcacgag	gatcacttga	accaggagg	120
aggaggttgc	agtgagctga	gatcatgcc	gggcaacaga	atgagacttt	gtttaaaaaa	180
aaaaaaaaagtg	acttgattta	agggaaaaaa	tgactggcta	tattcagtc	gatatggcaa	240
agagtctcaa	ggtgttaatg	tgaatgatta	aggtccttggg	gggggtgtcc	cctatcagac	300
tacaggtgtt	tagaggcaca	gaaaaagggtg	cagttgggtt	cttaatgtga	aatgatgaga	360
agcacaactc	cagttgtgtc	ctttgtgtag	aatgtcagca	gacacccct	gctagatgtg	420
ctggatacatg	ggaaagcatt	ccttattgtt	aatagattgt	tcagaagttt	taatttatga	480
tgggtgtggt	gqctcatgcc	tgtngtccca	gc			512

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<210> 876
<211> 199
<212> DNA
<213> Homo sapien
```

$\langle 210 \rangle$	877
$\langle 211 \rangle$	486

<400> 880  
ccatctcccc tcaccccaac ctggataaaa tgttacacta ccactaata taaccactga 60

cacacaaacc aagctccttc cagtttaaca ttgaacatca atctacattt ccagtgaatg 120  
 agctaaactt atgagcaggc cattcaactt ttcattgatac atttagtgct cagaaatggt 180  
 tgattccatt agcctgccct atagctcagg tggccaaga tggagcctat catcttcctt 240  
 ggggtgtttg gtgtttccaa gtaggagcat aaaaaggata ccgtccccta cccaccacc 300  
 ccatcccaca taccctcact ggcatccagg agaccagcag caggctcaag accccaaatg 360  
 ttgggcacca caaataatgt gatatgtgcc aggagcacgg ggggtagggg tgaaagagaa 420  
 aaacaataag g 431

<210> 881  
 <211> 335  
 <212> DNA  
 <213> Homo sapien

<400> 881  
 ccacagaggt ggtattacaa aatatacaaa gtggtttctt tctttacatt tcatagaaga 60  
 agcctgcctc atttccaaat gagagcacta gaagcacaaa tcatgcagac catttactat 120  
 ataacttatg aaaaatgctg tacagggtcg tgactataga tatagagtat ttggctctgt 180  
 ttgggaattg atatctacaa gggggagggg caggggagga ctgtctgata tcctgacttg 240  
 ctgggatggg ggagaagctg ggatggggga ggccccaatc ttgctgcacg gctacacca 300  
 ctctccttt cctagataag gctggagcgc actgg 335

<210> 882  
 <211> 353  
 <212> DNA  
 <213> Homo sapien

<400> 882  
 atgactcaaa agattggatt ttacagctac ttgcaattca aaattcagaa gaataaaaaa 60  
 tgggaacata cagaactcta aaagatagac atcagaaatt gttaagttaa gctttttcaa 120  
 aaaatcagca attccccagc gtagtcaagg gtggacactg cacgctctgg catgatggga 180  
 tggcgaccgg gcaagctttc ttctctcgaga tgctctgctg cttgagagct attgctttgt 240  
 taagatataa aaaggggttt ctttttgtct ttctgtaagg tggacttcca gcttttgatt 300  
 gaaagtccta ggggtgattct atttctgctg tgatttatct gctgaaagct cag 353

<210> 883  
 <211> 193  
 <212> DNA  
 <213> Homo sapien

<400> 883  
 ctggcagaga agaattggcta cgtgaotgtc agtgagatca aagccagtct taaatgggag 60  
 accgagcgag cgcggcaagt gccggaacac ctgctgaagg aaggggtggc gtggctggac 120  
 ttacaggccc caggggaggg ccactactgg ctgccagctc tcctcactga cctctactcc 180  
 caggagatta cag 193

<210> 884  
 <211> 461  
 <212> DNA  
 <213> Homo sapien

<400> 884  
 ctgaagaacc ccatcagcgg gctgttagaa tatgccagct tcgctagtca aacctgtgag 60  
 ttcaacatga tagagcagag tggaccaccc catgaacctc ggtaagagac caccaggaa 120  
 ctgtacctag ggttgggggc aggtgctttt gtcctgacg cagtcttggc tgatttgtga 180

gcagtgcgtg ttggtggcgc ctatcttttc ctcttccct tctgcctttt agctaaattc 240  
 cccttgattg gccctttctc cagatattga gcagggaata tagaccttg accagccaga 300  
 atcttggtg aacaaggggg aggttgactc tgttggctgt aatgaagctt ctttagaaat 360  
 gattggtttt ggccgtacgc ggtggctcat gcctgtaatc ccagcacttt ttgaggccga 420  
 ggcaggcata tcacgaggtc aggagtttga gaccagcctg g 461

<210> 885  
 <211> 266  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(266)  
 <223> n = A,T,C or G

<400> 885  
 ctgcaatgct tcancacact tcagcaccga ggctgggcat gaggggtccg tcaccaccac 60  
 atcaaatacc cctaaagcaa tatctttgtt atgggcactt gaatgggtgct gcttcacaga 120  
 ggctgcacca ccagtcatga ggatctcaga ccagagctcc aggaagttct gctgttggtc 180  
 tgataccaag agtaccttca gattctggaa aggattttca cggggttgcc agtccagaat 240  
 tctttgctcc tcaaggctgt acccag 266

<210> 886  
 <211> 402  
 <212> DNA  
 <213> Homo sapien

<400> 886  
 cgcgtgggtt ccgattgttt gatagtattt actggagaga tcatagaaac gactgtgaac 60  
 cgatgtcaca ccaggaagggt tgttgagcat ttcttcaaca tcttcaattg tttcctttgt 120  
 aacctgtagc tccccgatgt ttaattttag agctccaatt gctgttttac acaggatcac 180  
 tgccctcatca ttacttttca ctttctcacg agtcttttcc agaaaagtaa gagccacatt 240  
 aggatcagtc atctgtctaa ctacatgaag aatgatttcc acgagggaca aagggttcac 300  
 cctgtgttca aattcactga taaagttttc ataaagctta atgagaccat ctccttgggc 360  
 aaagcacgga tctgcacaa aatcaagcac ctgaagtgtc ag 402

<210> 887  
 <211> 342  
 <212> DNA  
 <213> Homo sapien

<400> 887  
 ccaaagcgag agcattggca gtgaattgca gacactcttc cttggtcatt ctttcccgtt 60  
 aggttagcatc aacatagcca tagatgtagg agctcccga gcctccaatg gcaaaggact 120  
 gccttaccat catacccccc ataggcactg agtacacctg ccctccttct tgagggtccc 180  
 agcctgcgat gatgattccc gccatcaggt cttcccgtta tcggtaacac atctccttaa 240  
 agaggctggc tgctgtgtgg accagtggag gctcattcag ttcaatgctg tggaaccga 300  
 gctggtaggc gacagcatca gctactgcct gggatcagc ag 342

<210> 888  
 <211> 228  
 <212> DNA  
 <213> Homo sapien

TC050" 9964950

<400> 888  
 cgcgctcggcc aaggetgctg ctgttgctcc tccaaagaag gttggcttca aggccgtgtc 60  
 cagggaccca cgagcagagg cactgggggg caagggatct ccaagggggc aagggatccc 120  
 taaagggggg agctcacagg tgaggggggt tagggcccct ctaggagcg cctgaggcca 180  
 tacattcaag agtgctccctg gtgaggccca gggaagagcc aggactgg 228

<210> 889  
 <211> 378  
 <212> DNA  
 <213> Homo sapien

<400> 889  
 ttggcttttc tccccttctc atcctcctct cccctttcct cactgaaggc tgtgagttgc 60  
 tttcaatgtg acaacactat gatgtcattt ggaaggattt gccaggacag actgattctg 120  
 agtcctgggt gccgtatgtg tatgcggcag tgttgctcagg cgatcttggt tgaagctcta 180  
 tgttgccata attaccatca agtacacact gttggcaaaa ggctaacacc tgactttagg 240  
 aaatgctgat ttgagaacaa aaggaaaggt cttttttcac tgcttaaagt ggggtcactt 300  
 tgataccttt gcggtcatgt ctgtgtctga tgagtgtaga atctctggat gtgcactgtc 360  
 agtcatgtgt ccaccagg 378

<210> 890  
 <211> 215  
 <212> DNA  
 <213> Homo sapien

<400> 890  
 ccattttgga gtgtgtccat tgggtagcaa tgtggaaacc accagggcct ttgtggagaa 60  
 aatggagggg gttgagggag tcccaggagg ggcttatttg agggcctttg ccacttgctc 120  
 ataggcgagc tcgatctcct catcatctgg acagggtgaa gcgaattctt cccgggcgta 180  
 ggcattgctc aagtaccgat gcactccccg gaagg 215

<210> 891  
 <211> 412  
 <212> DNA  
 <213> Homo sapien

<400> 891  
 ctgggtcaagt tcaacagagc cttggctgac cattctatgg ctcaggcacc tcggctcatt 60  
 gatggcattg ttcttaccaa atttgatacc attgatgaca aggtgggagc tgctatttct 120  
 atgacgtaca tcacaagcaa acccatcgtc tttgtgggca ccggccagac ctactgtgac 180  
 ctacgcagcc tcaatgccaa ggctgtgggt gctgccctca tgaaggctta acgtggctct 240  
 tgcccaatac caaatcgccg ctttccccac aagcccttct tcctgtatca agaattgtgt 300  
 ttagagtatg tgagcaacct gtcttcagt tagtataaag gcagagttag ggggcttggt 360  
 gctccttcca accccactcc ccgttcagca cagccgccat ctgcaaggaa gg 412

<210> 892  
 <211> 472  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(472)

<223> n = A,T,C or G

<400> 892

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aaagctgata	acaagcttgg	ctgancagag	ggaactaggg	gtcggcagaa	aggattatgg	120
gtggaaaaca	ttggctcttc	cctggggagt	gatgctggg	aaagggaana	nagtggctca	180
ncctgcaggt	aaataggcta	naaaagccaa	ggccaaaggc	tggaggggag	aggacagtca	240
gcatgtccag	cctggggtct	gggtgtagg	ttatcccttc	tccctgtgcc	ttcccatctc	300
gtccatgagc	ctaggtcttg	gagccttgtg	ttggaggctg	ctgtgatgtc	aggaacgggg	360
atctgtctag	cttttgccca	cttcctggga	cctcacgccc	ctgttgacag	atggagattg	420
ggcagcaggg	ccttgctgcg	ttgttatctg	ctgttccgac	ttggtttgtc	tt	472

<210> 893

<211> 477

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(477)

<223> n = A,T,C or G

<400> 893

caaagattca	ctttatttat	tcattctcct	ccaacattag	cataattaa	gccaaaggagg	60
aggagggggg	tgaggtgaaa	gatgagctgg	aggacgcgaa	taggggtagg	tcccctgtgg	120
aaaaaggggc	agaggccaaa	ggatgggagg	gggtcaggct	ggaactgagg	agcaggtggg	180
ggcacttctc	cctctaaccac	tctcccctgt	tgaagctctt	tgtgacgggc	gagctcaggc	240
cctgatgggt	gacttcgcag	gcgtagactt	tgtgtttctc	gtagtctgct	ttgctcagcg	300
tcagggtgct	gctgaggctg	taggtgctgt	ccttgctgtc	ctgctctgtg	acaactctct	360
gggagttacc	cgattggagg	gcgttatcca	ccttccactg	tactttggcc	tctctgggat	420
agaagttatt	cagcangcac	acaacanang	cagtttccag	atttcaactg	ctcatca	477

<210> 894

<211> 289

<212> DNA

<213> Homo sapien

<400> 894

ctgtcttatg	gctatgatga	gaaatcaacc	ggaggaattt	ccgtgcctgg	ccccatgggt	60
ccctctgggc	ctcgtggtct	ccctggcccc	cctgggtgcac	ctggtcccca	aggcttccaa	120
gggtccccctg	gtgagcctgg	cgagcctgga	gcttcaggctc	ccatgggtcc	ccgaggtccc	180
ccaggtcccc	ctggaaagaa	tggagatgat	ggggaagctg	gaaaacctgg	tcgtcctggt	240
gagcgtgggc	ctcctgggcc	tcagagtgtc	cgaggattgc	ccggaacag		289

<210> 895

<211> 179

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(179)

<223> n = A,T,C or G

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<400> 895  
 ctggatgggt ccanacaaag tggaatccct ggaaccttta actgagcagt gaaggtcagt 60  
 gcctcagagc ctgagagatg aacaggacca gagagagagg tgggcaggca ggcacaaggt 120  
 tatgtcttcc tcagactcgg aacctgctc ttctccacca tccagacgtt cagctacag 179

<210> 896  
 <211> 557  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(557)  
 <223> n = A,T,C or G

<400> 896  
 ccaactcactg ctgggaccca ggcacctccc ttctccatcc tctctggatt gtcagtaatg 60  
 tcctggaaca gaagcctgtg ggatggcctt gggcacggag aagccctggg gtcagtgtcg 120  
 tgcaoggatg gcggcagtg tgaaccaggg aggetgaacc cggccacca cgggaagatga 180  
 gtgcatggca accgcctgcc ttcacgtcgc tccacttggg aaccccaagg tctgggctgt 240  
 tctaggtatt gcttcacgtg cccagcaag cccttaacaa gagggcctgg ttccctgaag 300  
 aaccaatccc aggaaggggc cttgatccct cgccttggc gagagtgaac cctcgtctct 360  
 cctcacnctc catttcattt ctgggaattg gggcttagtt tcgaaccttt ggcaaggctg 420  
 ttcttactaa tgcccaagcc cctttacccc tctccctata ggttacacag gggagaccag 480  
 ggctcggca gaagactgct gccacacttc cgaatcattc tgcttgccaa ataggtcatc 540  
 ttcaccagtt gactgac 557

<210> 897  
 <211> 495  
 <212> DNA  
 <213> Homo sapien

<400> 897  
 ctggaatctc ctttgcaatc ccactctgata agattaaaaa gttcctcacg gagtcccatg 60  
 accgacaggc caaagggaaga gccatcacca agaagaagta tattggtatc cgaatgatgt 120  
 cactcacgtc cagcaaagcc aaagagctga aggaccggca cggggacttc ccagacgtga 180  
 tctcaggagc gtatataatt gaagtaattc ctgatacccc agcagaagct ggtggtctca 240  
 aggaaaacga cgtcataatc agcatcaatg gacagtccgt ggtctccgcc aatgatgtca 300  
 gcgacgtcat taaaaggga agcaccctga acatggtggt ccgcaggggg aatgaagata 360  
 tcatgatcac agtgattccc gaagaaattg acccataggc agaggcatga gctggacttc 420  
 atgtttccct caaagactct cccgtggatg acggatgagg actctgggct gctggaatag 480  
 gacactcaag acttt 495

<210> 898  
 <211> 406  
 <212> DNA  
 <213> Homo sapien

<400> 898  
 ccacgactgc atgcccgcg cgcgcagggtg atacctccgc cggtgaccca ggggctctgc 60  
 gacacaggga gtctgcatgt ctaagtgcta gacatgctca gctttgtgga tacgaggact 120  
 ttgttgctgc ttgcagtaac cttatgccta gcaacatgcc aatctttaca agaggaaacc 180  
 gtaagaaagg gccagccgg agatagagga ccacgtggag aaaggggtcc accaggcccc 240  
 ccaggcagag atggtgaaga tgggtccaca ggccctcctg gtccacctgg tcctcctggc 300



ccccctggtc tccggtgggaa ctttgcctgt cagtatgacg gaaaaggagt tggacttggc 360  
cccggaacaa tgggcttaat gggacctaga ggcccacctg gtgcag 406

<210> 899  
<211> 277  
<212> DNA  
<213> Homo sapien

<400> 899  
cctaagagtc attaaaaaat tctccctttg taacctcagt gctggggact gaggcgagcc 60  
ccctcaggtc gctggagtgc accagtcctg gggaagaggt gcaggagaag ctgtgttttt 120  
tatctccaca cgcagtatga agataaaatt acatagtatt acctagacat agacagtatt 180  
acctaggtag atgcactgct cacctgcacc cttcccagct ctcatTTTTg ttaggtgatt 240  
tgggataggg atagtgtttt ggggtatggg gggagtg 277

<210> 900  
<211> 389  
<212> DNA  
<213> Homo sapien

<400> 900  
ctgttttgaa atatttactg ttattaaaaac ttgcttcaag ggaaattgtg aatatatttc 60  
catatacaag cactagtaac agtaagtggc cctgtcatcc actaactcag gcaaagtaaa 120  
gaatggcatt tttgaaggac attttacctc cccatattgat ttgattggct aggactttct 180  
tctgtaaaagt catacctttt cacatcttaa gttttttacat ttgccatttt ccaaactctca 240  
atTTTgggca agaacgatat agtcacaact atggggctgc tttcaaaaagc ggggctccat 300  
ttctactgtc agatcaatgt ggtgctgtaa ccacttttt atccctacct tcaagaacct 360  
ccttatatga agcctgtctt tatccatca 389

<210> 901  
<211> 453  
<212> DNA  
<213> Homo sapien

<400> 901  
ctggagacac ccacttgggt ggagaagatt ttgacaaccg aatgggtcaac cattttattg 60  
ctgagtttaa gcgcaagcat aagaaggaca tcagtgaagaa caagagagct gtaagacgcc 120  
tcogtactgc ttgtgaacgt gctaagcgtta cctctcttc cagcaccag gccagtattg 180  
agatcgattc tctctatgaa ggaatcgact tctatacctc cattaccgt gcccgatttg 240  
aagaactgaa tgctgacctg ttccgtggca ccctggaccc agtagagaaa gcccttcgag 300  
atgccaaact agacaagtca cagattcatg atattgtcct ggttgggtgt tctactcgta 360  
tccccaaagt tcagaagctt ctccaagact tcttcaatgg aaaagaactg aataagagca 420  
tcaacctga tgaagctgtt gcttatgggt cag 453

<210> 902  
<211> 293  
<212> DNA  
<213> Homo sapien

<400> 902  
cctccggccg cccccacggc tcccatggcc tcttctctgc ctaccgtgtg gaggccctaa 60  
ccctgcgtgg catcaatagc ttccgccagt acaagtatga cctgggtggca gtgggcaagg 120  
ctttggaggg catgttccgc aagctcaacc acctcctgga gcgcctgcac cagtccctct 180  
tctctactt gctccccggc ctctcccgct tegtctccat tggcctctac atgcccgctg 240

tcggcttctt gctcctggtc cttggtotca aggctctgga actgtggatg cag 293

<210> 903

<211> 228

<212> DNA

<213> Homo sapien

<400> 903

ctggagactc	tgggccagga	gaagctgaag	ctggaggcgg	agcttggcaa	catgcagggg	60
ctggttgagg	acttcaagaa	caagtatgag	gatgagatca	ataagcgtac	agagatggag	120
aacgaatttg	tcctcatcaa	gaaggatgtg	gatgaagctt	acatgaacaa	ggtagagctg	180
gagtctcgcc	tggaagggct	gaccgaacgag	atcaacttcc	tcaggcag		228

<210> 904

<211> 388

<212> DNA

<213> Homo sapien

<400> 904

ccaagcgtc	agatcggcaa	ggggcaccag	tcttgatctg	cccagtgcac	agccccacaa	60
ccaggtcagc	gatgaaggta	tcttcagtct	ccccgaacg	atgaggcacc	atgacgcccc	120
aaccattggc	ctgggccagc	ttgcacgcct	gaagagactc	ggtcacggag	ccaatctggt	180
tgactttgag	caggaggcag	ttgcaggact	tctcgttcac	ggccttggcg	atcctctttg	240
ggttggtcac	tgtgagatca	tccccacta	cctggattcc	tgcaactggc	gtgaacttct	300
gccaaagctc	ccagtcaccc	tggtaaaagg	gatcttcgat	agacaccact	gggtagtcct	360
tgatgaagga	cttgtacag	tcagccag				388

<210> 905

<211> 272

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(272)

<223> n = A,T,C or G

<400> 905

ccggagccca	cgnggtcat	ggctgccaga	gcgctctgca	tgetggggct	ggtcctggcc	60
ttgctgtcct	ccagctctgc	tgaggagtac	gtgggcctgt	ctgcaaacca	gtgtgccgtg	120
ccagccaagg	acagggtgga	ctgcggctac	ccccatgtca	cccccaagga	gtgcaacaac	180
cggggctgct	gctttgactc	caggatccct	ggagtgcctt	ggtgtttcaa	gcccctgcag	240
gaagcagaat	gcaccttctg	aggcacctcc	ag			272

<210> 906

<211> 525

<212> DNA

<213> Homo sapien

<400> 906

ctgtgcaccc	gagtgtcctt	tccccctaa	gctggcacat	aggagcaaaa	gttactaac	60
cctgcagtgg	aaggcaccaa	ttgacaacgg	ttcaaaaatc	accaactacc	ttttagagtg	120
ggatgaggga	aaagaaatag	tggtttcaga	cagtgccttct	tcgggagcca	gaagcactgc	180
aagttgacaa	agctttgtcc	ggcaatgggg	tacacattca	ggctggccgc	tcgaaacgac	240

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attggtacca gtggttatag ccaagaggtg gtgtgctaca cattaggaaa tatccctcag 300
atgccttctg caccaaggct gggtcgagct ggcacacat gggtcacgtt gcagtggagt 360
aagccagaag gctgttcacc cgaggaagtg atcacctaca ccttggaat tcaggaggat 420
gaaaatgata accttttcca cccaaaatac actggagagg atttaacctg tactgtgaaa 480
aatctcaaaa gaagcacaca gtataaatc aggctgactg cttct 525

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<210> 907
<211> 365
<212> DNA
<213> Homo sapien

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<400> 907
gtaaatttta agtcttttcag ttttatagat acggaaaaca agggtgactc tttaccacag 60
gatgaataaa gaactaagta atatgggaaa tgcagcaatt tctggactag ctgagccgat 120
tccttctctg gagcacactg taagctttca agttctctgg gcaggaatta cagcacctgt 180
ccctgcaat ggccctgctg tgtgatgctc atcgtctccc ttcgtgctgg agcagtcccc 240
caggtgtcca tctctatct tttgttcca atcttctgtg agttccagct agcaggcttt 300
acatctgggg aaaggaaaac caggggtttt agctctgttc tctgctcca tccttctctc 360
accag 365

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<210> 908
<211> 608
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

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<400> 908
cggaggtgcc tcagccatgg catggatccc tctcttctc gggtccttg cttactgcac 60
aggacgtgcg gcctcctttg aggtgaccca gccacctca atgtccgtgt cccaggaca 120
gacagccaag atcacctgca ctggagatag gttgggggat gaatatgttt gctggtatca 180
acagaagcca ggccagtccc ctgtattgat aatataattg gataacaagc ggccctcggg 240
gatccctgac cgattctctg cctacgcctc tgggaacaca gccactctga tcacagcgg 300
ggcccaagtt atggatgagg cttattatta ctgtcaggcg tgggaaggca gaactgtggt 360
gttcggcgaa gggaccaacc tgaccgtcct aggtcagccc aaggetgcc cctcggtcac 420
tctgttcccg cctcctctg aggagcttca agccaacaag gccacactgg tgtgtctcat 480
aagtgacttc taccgggag ccgtgacagt ggccctggaag gcagatagca gcccgtcaa 540
ggcgggagtg gagaccacca caccctccaa acaaagcaac aacaagtacg cggncagcag 600
ctatctga 608

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<210> 909
<211> 513
<212> DNA
<213> Homo sapien

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<400> 909
ctggctctcaa actcctcacc tcaactgac cgccacctt ggccctccaa agtgctggga 60
ttatagggtg gagccaccgt gcccaaagtt aagtatttt gatcaagtgt tttgtctttt 120
gtgcaaggca tttgtggctc tgtcatagca gaggaaaaca aaacatgcct atcaaatgaa 180
tcaagtccga cctcttctca tattgagcaa ctagaggtct aggaacattt ccctacctg 240
tcattctcat ctggcatacc aggtgtacat actccttctt attctcctct gttaccaaga 300

```

tggtggcccc attggggttg aggtcacgaa ctccacaaac tccaaactct tggacctcag 360  
 tgctgaaggt gaggtcatag cctagtgtgg agacatcatt ttccagcaga taaaccagac 420  
 cttggtagaa gtggtaatct tcaactctca tatctgtata tctgactgac ttgccaaga 480  
 tgtgtttgta aaaggatcga gtaaagtagc act 513

<210> 910

<211> 272

<212> DNA

<213> Homo sapien

<400> 910

ccggagccca cgggtggcat ggctgccaga gcgctctgta tgctggggct ggtcctggcc 60  
 ttgctgtcct ccagctctgc tgaggagtac gtgggcctgt ctgcaaacca gtgtgccgtg 120  
 ccagccaagg acaggggtga ctgcggctac ccccatgtca cccccaagga gtgcaacaac 180  
 cggggctgct gctttgactc caggatccct ggagtgcctt ggtgtttcaa gccctgcag 240  
 gaagcagaat gcaccttctg aggcacctcc ag 272

<210> 911

<211> 263

<212> DNA

<213> Homo sapien

<400> 911

cctgcaggta caaattgacc aggtctgtga cggctgcctc cacgtcggtg gaataattct 60  
 gacgaatctg ggagctcatg gttggttggc aagaaggagc taaccacaaa aacggtgctg 120  
 gcaggtccca gaagcaggag atggccgaga agatggtccc ggaggttgca agcggagagg 180  
 aaatcggagg gcggtcggag gctggaagag agtccccgga tctgttccgt ccaaactctg 240  
 ttgaagcaag agacagaccc gcg 263

<210> 912

<211> 470

<212> DNA

<213> Homo sapien

<400> 912

ctgtgagcac cagcccaacc ctacctttt aaaaagaaaa aacacaagtc cactctgaag 60  
 tcagcctctg taacctcccc acaagaaaaa cgtttttacat cagtcactaa ccaaacaacc 120  
 aacagtgtt caacacagaa agtaaagcat tatccagggc ttggactgtc tttcaagaaa 180  
 gcccacaatc ccctggcagg aggaagtcac agcagtgaag ccccatccca ggcccagttg 240  
 ttcccacgaa acacaccacg tggagacca gcatgactgc cgactgattc caagtccca 300  
 ggagggcttt attttttctt ttcaacatcc tgttctgcgg cttocttggc actttttgcc 360  
 cgtatgccga agagccgggc gttggcacgg gccatacggg gactagcgaa ggctttgaaa 420  
 ttcttctctt cctcagtgat gactcgagct ttctccttct tatagacgtt 470

<210> 913

<211> 426

<212> DNA

<213> Homo sapien

<400> 913

cctggacacc ataaggctgg tgggctttca gaattgtgtt aggggggcag gagtggcagg 60  
 ttctgaatc tcggtcaata tagtaaccag caggacaaga ggtgcaggag gagccacat 120  
 cagaggcttc tagggcacag ggacggcagt aggaggccac gccattcata acattgggtga 180  
 cattgatgga gtagatcttg gcaacgtcat tgggtgtactt cctgcttgcc tcatgaaaag 240

tggctcctctg gaaggcccag gtgaggetcg tggtagtggt ctctcctaatg atgtaggtat 300  
 aggactgttt gcctttggaa cctttccacg totccacag agtggttggtc ctagaattca 360  
 caccaccat gaagtagagc tcacagttca cagaacagag ggtctcaaag acaaatgtga 420  
 ttctgg 426

<210> 914  
 <211> 252  
 <212> DNA  
 <213> Homo sapien

<400> 914  
 ccaagctggg ggtgcgcaca tgtggaagaa ctggaggccc ggtgtcatga gcagaggctg 60  
 taccctagat gcccgcacca gtgccagcca acccaagaca ggagaaagag tttggcagtt 120  
 tcgcctctga ggaatacatg cctggccctc ctgtgaggtg aggcggtagg ggggaaggcg 180  
 caggetccga agtctgaggg cttgccggag ggggagtttc tgagcctttt gcatgggtgc 240  
 atgccccctg cc 252

<210> 915  
 <211> 234  
 <212> DNA  
 <213> Homo sapien

<400> 915  
 ccaactgggac tttggcttcc tgatgccgat tgtggatttc tgctgcaaag acagtgatgt 60  
 tgagccaggc tgtttcctct ctatccagag gttttgtagt ttaataaaaa ccctcctctg 120  
 gattaatagt gaaaaatctg tcgaggtcag tgtgacgac gatggaatac cttatcgggc 180  
 tgttggcagc atcagggtct ttggcatgca ctctcccaac cacggtgcc gcag 234

<210> 916  
 <211> 366  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(366)  
 <223> n = A,T,C or G

<400> 916  
 ccattcagtc tcanttcaga aaattccaga agaagaaggc tgggtctcag tcctagtggg 60  
 agaacccccct cctagtccac ctgaaaacac caaattcaac catcatctgt caagaaatta 120  
 aaagaacaac accctagaga gaagtcatcc acacacaatc cacacacgca tagcaaacct 180  
 ccaatgcatg tacagaaacc tgtgatattt atacccttgt aggaagggtat agacaatgga 240  
 attgtgagta gcttaatctc tatgtttctc tccattttca ttctcctgc aactattttc 300  
 cttgatgttg taataaaatg aagttacgat gagtgatnaa aaaaaaaaaa aaaaaaaaaa 360  
 aaaaaa 366

<210> 917  
 <211> 492  
 <212> DNA  
 <213> Homo sapien

<400> 917  
 ggacagcga gggcagcatc tggaggagct ctgcagcctc cacacctacc acgacctccc 60

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agggctgagc tcaggaaaaa ccagccactg ctttacagga cagggggttg aagctgagcc 120
ccgctcaca cccaccccca tgcactcaaa gattggattt tacagctact tgcaattcaa 180
aattcagaag aataaaaaat gggaacatac agaactctaa aagatagaca tcagaaattg 240
ttaagttaag ctttttcaaa aaatcagcaa ttccccagcg tagtcaaggg tggacactgc 300
acgctctggc atgatgggat ggcgaccggg caagctttct tcctcgagat gctctgctgc 360
ttgagagcta ttgctttgtt aagatataaa aaggggtttc tttttgtctt tctgtaagg 420
ggtcttcag cttttgattg aaagtcctag ggtgattcta tttctgctgt gatttatctg 480
ctgaaagctc ag 492

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<210> 918
<211> 557
<212> DNA
<213> Homo sapien

```

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<220>
<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G

```

```

<400> 918
ctgctcctgg gtaggcgtgc gggccatata gtaggggtag gatactagcc gctcgccgcc 60
gttcagattt gctcccagca cgaaggggtt cttctccatc caggcaatga tggcccggac 120
ctccgtggat accgtggcat ctggcgaaag gtacggttca gggatgggca agttattgtt 180
ggggaccggg taggggaccc atttctcttc ctgagctccc cagagcacag agttgagatc 240
cgggaaatct tcaaagatgt caaagccctc ctgagtcac agtcccagcg cccagttccc 300
aaactctgag cccatctgag ctgccacctc gtagccatca gggttcagtg agggcaccag 360
gtggatgctg gtgtcctgca ccaggctgag cacacgtggg ttcccatcgc ggtactctcg 420
gcacaggtag tgcatgagca gcagcaacag ctctcgcccc agcacctcgt tgccatggat 480
cccagcagtg tagcggaact cgggctcccc cagttcatgc tcccanggt tgtctgagat 540
ctccatggca tagatct 557

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<210> 919
<211> 407
<212> DNA
<213> Homo sapien

```

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<400> 919
ccttatgact acaacggccc acgagaaaaa tatggaatcg ttgattacat gatcgagcag 60
tccgggcctc cctccaagga gattctgacc ctgaagcagg tccaggagtt cctgaaggat 120
ggagacgatg tcatcatcat cggggtcttt aagggggaga gtgaccacgc ctaccagcaa 180
taccaggatg ccgctaacaa cctgagagaa gattacaaat ttcaccacac tttcatcaca 240
gaaatagcaa agttcttgaa agtctcccag gggcagttgg ttgtaatgca gcctgagaga 300
ttccagtcta agtatgagcc ccggagccac atgatggagc tccagggtc caccaggac 360
tcggccatca aggacttctg gctgaagtac gcctgcccc tggttgg 407

```

```

<210> 920
<211> 340
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(340)
<223> n = A,T,C or G

```

```
<210> 921
<211> 571
<212> DNA
<213> Homo sapien
```

```
<210> 922
<211> 262
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G
```

```
<210> 923
<211> 234
<212> DNA
<213> Homo sapien
```

<400>	923						
ccactggggac	tttggcttcc	tgatgccgat	tgtggatttc	tgttgcaaag	acagtgatgt		60
tgagccaggc	tgtttcctct	ctatccagag	gttttgtagt	tttaataaaa	ccatcctctg		120
gattaatagt	gaaaaatctg	tcgaggtcag	tgtagcagtc	gatgggaatac	cttatcgggc		180
tgtttgcagc	atcagggtct	ttggcatqca	ctctcccaac	cacggtgccca	gcag		234

<210> 924  
 <211> 152  
 <212> DNA  
 <213> Homo sapien

<400> 924  
 ccaggattga caggccatcc attcacagcc aggagatgct gggccagttc ctccaagagg 60  
 tctccgtcat ggcagtgatg aaaacctaac aggggtggccc cctgtgccag ctcaggtgac 120  
 tggagcccga gggcctgaca ggttcccagc ag 152

<210> 925  
 <211> 400  
 <212> DNA  
 <213> Homo sapien

<400> 925  
 caatatcatg ccaaggaccc aaacaacctc ttcattggtgc gcttggcaca gggcctgaca 60  
 catttaggga agggcaccct taccctctgc ccctaccaca gcgaccggca gcttatgagc 120  
 caggtggccg tggctggact gctcactgtg cttgtctctt tcctggatgt tcgaaacatt 180  
 attctaggca aatcacacta tgtattgtat gggctgggtg ctgccatgca gccccgaatg 240  
 ctggttacgt ttgatgagga gctgcggcca ttgccagtgt ctgtccgtgt gggccaggca 300  
 gtggatgtgg tgggccaggc tggcaagccg aagactatca cagggttcca gacgcataca 360  
 accccagtgt tgttggccca cggggaacgg gcagaattgg 400

<210> 926  
 <211> 521  
 <212> DNA  
 <213> Homo sapien

<400> 926  
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 ctcagtgttg catctccac agaggtaaag ttgtgccatt ttcccacggc tttaaacaaa 180  
 gcaaaacaaa accaccaatc ctaataaccc ccctccctgc cccgtctcca cgctgtgcgg 240  
 agagggtctt agcccctcag tcggacttct ccttctcctt catgtgcaag aagacgatgc 300  
 tgaagatgaa gagccccagc atcatggaga aggcgtggc gtagtagggg taggccgagg 360  
 ggatgaagcg ctcatactgc gtgtgctgga gtggccgcac ggatacctga gtggaagagt 420  
 acaggtgtgt gtagcctagc cggttgtaat ccactttaaa ctggaataca ccatacacgt 480  
 cgggcaactt gaactgaaca ctgtatttgc cacctttctt c 521

<210> 927  
 <211> 520  
 <212> DNA  
 <213> Homo sapien

<400> 927  
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 tgggattacc ggcgtgagcc accatgcctg gccttacatt ttttaaaatg agggaacaaa 120  
 tgaataaatg accaccatgt taggggctgg ctctgaacag aattgtaaaag tgggccaagc 180  
 ttgctctcaa ggtcacctta agcccacggg tgctgtgtcc tgccctctca gggtcatttc 240  
 ccagcctcca ggcacctgtt cacagaggct gcatctggcc tcgcctccac ccctccatcc 300  
 taagggtgctc cgctgactta gaacaggaca gtcagggaga gaatgtgtct caggaggggtg 360  
 gagtcagatg atcacggcct tcctggcatc tgaggggata cagcttcggg tagcaaagtg 420  
 tgattttccc tgagccccag gaaagccttg ccttggtcag aatacattga accctgaggg 480

09049636-050301



ccagagagtc cctggggcaa gctctgagag ggaggacctc

520

<210> 928  
<211> 492  
<212> DNA  
<213> Homo sapien

<400> 928  
ctgagctttc agcagataaa tcacagcaga aatagaatca ccctaggact ttcaatcaaa 60  
agctggaagt ccaccttaca gaaagacaaa aagaaacccc tttttatatac ttaacaaagc 120  
aatagctctc aagcagcaga gcatctcgag gaagaaagct tgcccggctg ccatcccatc 180  
atgccagagc gtgcagtgtc cacccttgac taogctgggg aattgctgat tttttgaaaa 240  
agcttaactt aacaattttct gatgtctatc ttttagagtt ctgtatgttc ccatttttta 300  
ttcttctgaa ttttgaattg caagtagctg taaaatccaa tctctgagtg catgggggtg 360  
ggtgtgaggg ggggctcagc ttcaaccccc tgtcctgtaa agcagtggtt ggtttttcct 420  
gagcccagcc ctgggaggtc gtggttaggtg tggaggctgc agagctcctc cagatgtctg 480  
cctcgtctgtg cc 492

<210> 929  
<211> 209  
<212> DNA  
<213> Homo sapien

<400> 929  
ttttttcacc atctaacaaa ggcactttat tgcattacca ttcacaatta acagtcaaga 60  
acaataata ataacaaata aaataacttt taagaggaca aggcattaga aataaaaaag 120  
gacactaata acatttgtaa aagcttgtac tggatgtggt tgccccatt tgtgtgtgtg 180  
gttgtgtgtg tgtggttgtg tgttggtg 209

<210> 930  
<211> 617  
<212> DNA  
<213> Homo sapien

<400> 930  
cgcgctcctt aacaagcccc gttctcaaaa ggtctgggggt atttatataa gaacttattc 60  
caaagtgact ctaagatcca tgttcccaag atctagtacg ggctattcat ggttctgagg 120  
catgtccagc atgcaggcaa acttatctgt tcaaattgag gtaaaacaga caaaaaacac 180  
ttaatatata cagaagctac ataattaaaa ctaaccttct gctgcttatt taagctaattg 240  
atgtattctt accaaacaga gaccctcaag tcaatcattt cttttgattt tagttaccac 300  
cccaaaatta agcctcttct ttcaaagcca ttattagtta aaaaaaagtt ttaaaatgaa 360  
gaaaaatatt ttttccagaa cttgtatttt gtaattagtg tgatgcaatt tctttttatt 420  
tttcaaactt agaaataact catgtatggt actatttggg atttttttca gataccaagg 480  
aataccgaca ggattcataa ataggatttt ctgacactgg caggaaagtc tgctaacggt 540  
tacaaaatac caaagactct tctttcaagc ttcaaagatg gctgagaatt aacagttatg 600  
attagttttt cagtaca 617

<210> 931  
<211> 521  
<212> DNA  
<213> Homo sapien

<400> 931  
ccaacaaaat tgggtgaacac atggaagaac atggcatcaa gtttataaga cagttcgtac 60

caattaaagt	tgaacaaatt	gaagcagggg	caccaggccg	actcagagta	gtagctcagt	120
ccaccaatag	tgaggaaatc	attgaaggag	aatataatac	ggtgatgctg	gcaataggaa	180
gagatgcttg	cacaagaaaa	attggcttag	aaaccgtagg	ggtgaagata	aatgaaaaga	240
ctggaaaaat	acctgtcaca	gatgaagaac	agaccaatgt	gccttacatc	tatgccattg	300
gcgatatatt	ggaggataag	gtggagctca	ccccagttgc	aatccaggca	ggaagattgc	360
tggctcagag	gctctatgca	ggttccactg	tcaagtgtga	ctatgaaaat	gttccaacca	420
ctgtattttac	tccttttgaa	tatgggtgctt	gtggcccttc	tgaggagaaa	gctgtggaga	480
agtttgggga	agaaaatatt	gagggtttacc	atagttactt	t		521

<210> 932  
 <211> 197  
 <212> DNA  
 <213> Homo sapien

<400> 932	
ccttgtgacc	aattacatat gattaaaaatt acttcccaca ttcacatcca cagtactcgt 60
ccaccattta	acatctcaac caaaacgtta cacatgtgaa acaatcacta acaggcaaaa 120
atactaaacc	tgtatatttg gtattgcaaa tacacttatg catgagcaag caagggattc 180
acagtgagaa	tctacag 197

<210> 933  
 <211> 610  
 <212> DNA  
 <213> Homo sapien

<400> 933		
cctcatittta	acaatatctt ttttttgctc ttctgcttcc aaaccttatt tgccaatgta 60	
atgcctttta	ataaagttct tatgatgaat gaaaaacttt caagtgtgtg tgcctcatta 120	
aatgcattat	ttattaattt aacttctagt actctcgata aagagccagt gaaatgagtt 180	
attgagttcc	agggaaaaaa atgagaacat aattttgaat ttattatctc tctatacaca 240	
cacagttcat	aattggatta catataataa taatatcaac aagtctatca gtatcgaagt 300	
tggatactgg	taattttctca tgtgaggctc ttgtgtcaca gtcagcatag atttctggag 360	
catttgtctg	ttgatctttt ggtggcctca aacctcatta agtgggtgtg gagatgctgt 420	
ttctgccatg	tgagaatgtg atggcagaat taacacaacc ccaccagggg tacaacagag 480	
cactttacat	ccaaaggcag agagggacac agcaatgcag aattccagca cacttaagag 540	
gagcaccatg	ccatccagac ccattaagat ggacatagtc ccatgacaat tatttgagtt 600	
gccatagtag		610

<210> 934  
 <211> 384  
 <212> DNA  
 <213> Homo sapien

<400> 934	
ctgctaccag	gggagcgaga gctgactatc ccagcctcgg ctaatgtatt ctacgccatg 60
gatggagctt	cacacgattt cctcctgcgg cagcggcgaa ggtcctctac tgctacacct 120
ggcgtcacca	gtggcccgtc tgccctcagga actcctctga gtgagggagg agggggctcc 180
tttccagga	tcaaggccac agggaggaag attgcacggg cactgttctg aggaggaagc 240
cccgtttggt	tacagaagtc atggtgttca taccagatgt gggtagccat cctgaatggt 300
ggcaattata	tcacattgag acagaaattc agaaagggag ccagccaccc tggggcagtg 360
aagtgccact	ggtttaccag gcag 384

<210> 935  
 <211> 125

<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(125)  
<223> n = A,T,C or G

<400> 935  
nttaaaattc atggaagtaa tannacagta ataaaatatg gatactatga aaactgacac 60  
acagaaaaac ataaccataa aatattgttc caggatacag atattaatta agagtgactt 120  
cgttta 125

<210> 936  
<211> 546  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(546)  
<223> n = A,T,C or G

<400> 936  
gcccatgcc a gctgtgtggtc agcacgcaca acttgtggct gctgtccttc ctgaggaggt 60  
ggaatgggag cacagccatc acagacgata ccctgggtgg cactctcacc attacgctgc 120  
ggaatctaca accccatgat gcgggtctct accagtgcc gagcctccat ggcagtggag 180  
ctgacaccct caggaagggtc ctggtggagg tgctggcagg ttctcccgcc aaggttctcc 240  
ccctgcctcg aggaggaagg ggctggaggc tcatggctct gcctcccata gacccctgg 300  
atcaccggga tgctggagat ctctggttcc ccggggagtc tgagagcttc gaggatgccc 360  
atgtggagca cagcatctcc aggagcctct tggaaaggaga aatcccttc ccacccactt 420  
ccatccttct cctcctggcc tgcattcttc tcatcaagat tctagcagcc agcgcctct 480  
gggtgcagc ctggcatgga cagaagccag ggacacatnc acccagtga ctggactgtg 540  
gacctc 546

<210> 937  
<211> 550  
<212> DNA  
<213> Homo sapien

<400> 937  
caccaatcaa aattcctgtt ggtcctgaga ctttgggcag aatcatgaat gtcattggag 60  
aacctattga tgaaagaggt cccatcaaaa ccaaacaatt tgctccatt catgctgagg 120  
ctccagagtt catggaaatg agtggtgagc aggaaattct ggtgactggt atcaagggtg 180  
tcgatctgct agctccctat gccaaagggtg gcaaaattgg gctttttggt ggtgctggag 240  
ttggcaagac tgtactgac atggagttaa tcaacaatgt cgccaaagcc catggtggtt 300  
actctgtgtt tgctggtgtt ggtgagagga ccctgaagg caatgattta taccatgaaa 360  
tgattgaatc tgggtgttct aacttaaaag atgccacctc taaggtagcg ctggtatatg 420  
gtcaaatgaa tgaaccacct ggtgctcgtg ccgggtagc tctgactggg ctgactgtgg 480  
ctgaatactt cagagaccaa gaaggccaag atgtactgct atttattgat aacatctttc 540  
gcttcaccca 550

<210> 938  
<211> 192

004952-0501

<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(192)  
<223> n = A,T,C or G

<400> 938  
tttttttttt tttttttttt ttttttttngg aaaaagccca aaaggcactt tattggaggt 60  
ctntgcctcc attcacagga aaaaggagct gggagcccca tcctaagggt ccagcatca 120  
gccactgga gggcctggaa cagtccanca ctntgtggga aaggagtggg gaggggaatg 180  
ttttaaaaaa aa 192

<210> 939  
<211> 337  
<212> DNA  
<213> Homo sapien

<400> 939  
ccaaaatatt ggaacacaca gaaccaaacc aggtgtgttc tacacctgca tgagtgaagg 60  
atttcacagt agacacctag gaagagcccg catgccctag actcactcca gaggaaggat 120  
tgatttgcaa ccagaaaggg agctgaaaac cacggagctc catggctctt cattcaaaag 180  
ggaaaataat gattccacgt tgcttttttag agttcaaata aacatctttc tggataaatc 240  
tattttttta caatcttttt attatttgta aaagatataa aaacaactcc catcagtagc 300  
aatacaaggt tatacathtt aaccagattt tctcagg 337

<210> 940  
<211> 362  
<212> DNA  
<213> Homo sapien

<400> 940  
cctgtccaaa cgtgcgcacc aggaccgagg ggagctccct cccaacacct gctaggaatt 60  
gccaactttt aaatggatgg ggttttttat gggttgaacc tctgttaata cttttgtaca 120  
ctctcactac agtttatatt tttataggct attttctcaa ggtgtttcta gattccacat 180  
atctatttta tataacaagt tattatgtta tgtgtgtgac tcccttgtgt gtatctgtgc 240  
cagctcagc ctccgagttg cttttccctc tggccctgac tctcactgac tcaccgatgt 300  
ggtgtgcagg ccacttctt accccagata gcctcgggag ctgcctgtag tcatgccgac 360  
ag 362

<210> 941  
<211> 216  
<212> DNA  
<213> Homo sapien

<400> 941  
ctggacatct ttccagcccg ggatacctac catcctatga gcgagtaccc cacctaccac 60  
accatgggc gctatgtgcc cctagcagc accgatcgta gccctatga gaaggtttct 120  
gcaggtaatg gtggcagcag cctctcttac acaaaccag cagtggcagc cacttctgcc 180  
aacttgtagg ggcattgtgc cgcctgagct gagtgg 216

<210> 942  
<211> 324

T00050" 02054850

<212> DNA  
<213> Homo sapien

<400> 942  
ctgattggct tcaggccccc tacctctata aactctacca gcattactac ttcctggaag 60  
gtcaaattgc catcctatat gtctgtggcc ttgcctctac agtcctcttt ggccctagtgg 120  
cctcctccct tgtggattgg ctgggtcgca agaattcttg tgtcctcttc tccctgactt 180  
actcactatg ctacttaacc aaactctctc aagactactt tgtgctgcta gtggggcgag 240  
cacttggtgg gctgtccaca gccctgctct tctcagcctt cgaggccagg gaggcctcaa 300  
tcttcagtct ctcagagacc acag 324

<210> 943  
<211> 597  
<212> DNA  
<213> Homo sapien

<400> 943  
ctgacaaaaat tcctgggtta ctaggtgtct ttcagaagct gattgcatcc aaagcaaattg 60  
accaccaagg tttttatctt ctaaaccagta taatagagca catgcctcct gaatcagttg 120  
accaatatag gaaacaaatc ttcatctctgc tattccagag acttcagaat tccaaaacaa 180  
ccaagtttat caagagtttt ttagtcttta ttaatttgta ttgcataaaa tatggggcac 240  
tagcactaca agaaatattt gatggtatcac aaccacaaaat gtttggaatg gttttggaaa 300  
aaattattat tcctgaaatt cagaagggtat ctggaaatgt agagaaaaag atctgtgcgg 360  
ttggcataac caaattacta acagaatgtc ccccaatgat ggacactgag tataccaaac 420  
tgtggactcc attattacag tcttttgattg gtctttttga gttaccgaa gatgatacca 480  
ttcctgatga ggaacatttt attgacatag aagatacacc aggatatcag actgccttct 540  
cacagttggc atttgctggg aaaaaaagag catgatcctg taggtcaaatt ggtgaat 597

<210> 944  
<211> 359  
<212> DNA  
<213> Homo sapien

<400> 944  
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aagcagaaaa cagggtactgt tatggatacc aaggtcgatg aattaacaac tgagatcaaa 120  
gaactgaaag aaactcttga agaaaaaacc aaggaggcag atgaatactt ggataagtac 180  
tggtccttgc ttataagcca tgaaaagtta gagaaagcta aagagatgtt agagacacaa 240  
gtggcccatc tgtgttcaca gcaatctaaa caagattccc gaggtctcc tttgctaggt 300  
ccagttgttc caggaccatc tccaatccct tctgttactg aaaagagggt atcatctgg 359

<210> 945  
<211> 367  
<212> DNA  
<213> Homo sapien

<400> 945  
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aaggcatctg atgtccatga agtttaggaag gtccctgggag agaagggaaa gaacatcaag 120  
attatcagca aaatcgggaa tcatgagggg gttcggagggt ttgatgaaat cctggaggcc 180  
agtgatggga tcatggtggc tcgtggtgat ctaggcattg agattcctgc agagaaggtc 240  
ttccttgctc agaagatgat gattggacgg tgcaaccgag ctgggaagcc tgtcatctgt 300  
gctactcaga tgctggagag catgatcaag aagccccgcc ccactcgggc tgaaggcagt 360  
gatgtgg 367

<210> 946  
 <211> 335  
 <212> DNA  
 <213> Homo sapien

<400> 946  
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 agcctgcctc atttccaaat gagagcacta gaagcacaaa tcatgcagac catttactat 120  
 ataacttatg aaaaatgctg tacagggtg tgactataga tatagagtat ttggctctgt 180  
 ttgggaattg atatctacaa gggggagggt caggggagga ctgtccgata tcctgacttg 240  
 ctgggatggt ggagaagctg ggatggggga ggccccaatc ttgctgcacg gctacacca 300  
 ctctctcttt cctagacaag gctggagcgc actgg 335

<210> 947  
 <211> 384  
 <212> DNA  
 <213> Homo sapien

<400> 947  
 cctcttggag cacatccttt actgcattgt ggacagcgag tgtaagtcaa gggatgtgct 60  
 ccagagttac tttagacctc tgggggagct gatgaagttc aacgttgatg cattcaagag 120  
 attcaataaa tatatcaaca ccgatgcaaa gttccaggta ttctgaagc agatcaacag 180  
 ctccctgggtg gactccaaca tgctgggtgcg ctgtgtcact ctgtccctgg accgatttga 240  
 aaaccagggtg gatatgaaag ttgccgaggt actgtctgaa tgccgcctgc tcgcctacat 300  
 atcccagggtg cccacgcaga tgtccttcct ctccgcctc atcaacatca tccacgtgca 360  
 gacgctgacc caggagaacg tcag 384

<210> 948  
 <211> 173  
 <212> DNA  
 <213> Homo sapien

<400> 948  
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 tgagggacca ccccatgccc tcattaatca accagaagct tggcctggag cagcagcggg 120  
 gattccagta gctgtgggca tacaggatgc tagggcggcc acaaccagg cag 173

<210> 949  
 <211> 211  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(211)  
 <223> n = A,T,C or G

<400> 949  
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 ccttcctgtg ccacggcatc atgggctgcc tgtatggcct cattcttttc aaagcatttt 120  
 gctctgtctt caggggacat tttctctgtt tcagaaagaa actgtttcag aactgatcca 180  
 tcctcaaate ccagtttgct ttgattattg g 211



aagagcaaac	cccaacatgt	ataaggtcac	agcaagtgg	agccaggaaa	agctgtggga	120
ccctcattt	gagtcacatc	catatggcat	ggagaaagaa	aacctctctg	ccagaaggaa	180
ctgaactctg	gaagtcctaa	ggaaggtcac	catgatcagc	agataggaaa	gcattgccaa	240
gggctgtccc	tcaagagctt	agttttctta	gggagaccag	aaagacatca	gactctgact	300
gccctgtttt	gctcaagttc	tgaaatgagt	ggcatgatga	agagctgggtg	gagctgaggg	360
aaagagtcaa	ccatgtgggg	tggggtagtg	aggaagg			397

<210> 954  
 <211> 304  
 <212> DNA  
 <213> Homo sapien

<400> 954						
cctttgtacc	gggccagcaa	ctggaagggc	acagtgtgga	attccagggc	ctgcagagtc	60
ttcttctgga	acagggcctc	gtggctccag	tacagggaca	ggttgaactg	cagctcaaag	120
agctcctcag	ggagcatcat	ggggaagcgg	atcttctcca	ccaagccctc	cacctctca	180
tgggaggcac	gtcccccca	gtccaggtg	tccacggcct	tcagttaggc	cagctcgctg	240
ggcaccgcca	ggtcgctcct	gggcagcagc	agttggagca	ggtctgtggg	gacactgggc	300
cagg						304

<210> 955  
 <211> 156  
 <212> DNA  
 <213> Homo sapien

<400> 955						
ctgtttcaac	tccctgccaa	gaaaaatgta	gatgcaattc	tggaggagta	tgcaaattgc	60
aagaaatcgc	agggaaatgt	tgataataag	gaatatgcgg	tcaatgaagt	tgtggcagga	120
ataaaagaat	atttcaatgt	gatgttgggc	actcag			156

<210> 956  
 <211> 543  
 <212> DNA  
 <213> Homo sapien

<400> 956						
ctttcatctg	accatccata	tccaatgttc	tcatttaaac	attaccagc	atcattgttt	60
ataaccagaa	actctggtcc	ttctgtctgg	tggcacttag	agtcttttgt	gccataatgc	120
agcagtatgg	agggaggatt	ttatggagaa	atggggatag	tcttcatgac	cacaaataaa	180
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tgggttttgt	ctgaagaaag	gaaagaggaa	agcaaatacg	aattgtacta	tttgtaccaa	480
atctttggga	ttcattggca	aataatttca	gtgtggtgta	ttattaaata	gaaaaaaaaa	540
att						543

<210> 957  
 <211> 528  
 <212> DNA  
 <213> Homo sapien

<400> 957						
ctgtgatcaa	gatgtattaa	aagaatatga	aagagcatct	gggttattct	agaagttctg	60



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tttatacttg	gatattttaca	gaggaagttg	aacttcaagt	tctgccactc	ttcaaaatgg	180
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gatccaacaa	gatttgagtt	ttaaatacag	aacatatttc	aaacagaacc	agcagagtgc	360
tgatgtatga	atggaattga	ttgctgaagg	cagagagtat	aaagaatctc	aagaaacttt	420
tagtgccatt	ttcatttaat	aagccattgg	tatagcaacc	taaaaacott	ggctgtgatg	480
acaccaggat	gtgttttatgg	aattgctgca	ggagaacaca	attggcag		528

&lt;210&gt; 958

&lt;211&gt; 451

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 958

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catctacaca	ggaccaaaacc	caacaggcgc	cctggcaccg	gggaggcggg	tagttgtact	120
ctgcttgtac	agtccttgag	cccagtttac	agatctggag	agcaggaggc	caggacaagg	180
acaaaggctg	gaggatggag	taggacccag	gggctctgcc	atcctaggca	tcattcaagg	240
tcttttatga	agactttaca	gatgtcctct	gtaagtagca	tcgagagtgg	agttcagctc	300
ctttctctac	ttttttttgg	tctgatggca	catattttatt	gttctgtggt	ctaatacag	360
tgttttctaaa	tgtaaaaagt	gcataatggtg	gtgtagctag	tcccgcgaca	ttgagctcct	420
ctgcatgaag	acactgggct	cctgcatcca	g			451

&lt;210&gt; 959

&lt;211&gt; 158

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 959

ccagaccaag	gctgctggac	ctatgggaat	attcgggtgt	ctgtagagga	tgtgactgtc	60
ctgggtggact	acacagtacg	gaagttctgc	atccagcagg	tgggcgacat	gaccaacaga	120
aagccacagc	gcctcatcac	tcagttccac	tttaccag			158

&lt;210&gt; 960

&lt;211&gt; 235

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 960

ctgagcaggg	aatccggccg	gaggaaggag	cagcttacccg	actgcgggtg	ttcaccacag	60
gccaggccct	aatatgcacc	cactagttta	gctcagactc	ctctctacat	atgaatggca	120
aaggcacttt	tgatatacac	tgtaaaatac	actgtatttt	agaatcggaa	tctattttct	180
aatgttcccc	tcaagggctg	agtggcagga	aggttgagga	tgcaggactt	tgcag	235

&lt;210&gt; 961

&lt;211&gt; 375

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 961

cctggaaaga	aaagggatat	gtccagcgac	ttggagagag	accatcgccc	tcattgttagc	60
atgccccaga	atgccaaacta	aactcctccc	tttccttcc	aatttccctt	cttgcatcct	120
tcctataact	tgatgcatgt	ggtttggttc	ctctctggtg	gctctttggg	ctgggtattgg	180

tggttttct	tgtggcagag	gatgtctcaa	acttcagatg	ggaggaaaga	gagcaggact	240
cacaggttgg	aagagaatca	cctgggaaaa	taccagaaaa	tgagggccgc	tttgagtccc	300
ccagagatgt	catcagagct	cctctgtcct	gcttctgaat	gtgctgatca	tttgaggaat	360
aaaattat	ttccc					375

<210> 962  
 <211> 409  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(409)  
 <223> n = A,T,C or G

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gcattgggtg	aagctggatg
60	
aagctggggc	ctnngctcct
ntcatcaaa	tacagatcac
tgngacctg	tcctcctcca
120	
tgggtgctgt	ctcctcgggc
ccactgcccc	tgtttctgct
ttcttctctc	acctcctcct
180	
ccccagctc	catgtccagc
tcgttgccctg	cctctgaggg
tgtgtagggtg	gagccactga
240	
tggaacggca	gctaaagaag
acgattcgct	tgagccgctt
gttgtagaag	aagtagttga
300	
aggaccagag	gctaccatcc
tccccgaagg	gatctgagtc
caagtctggg	ttatagctgt
360	
agatgtcaca	ttcagccagg
cagatctcct	cgtccaccgc
gttccacag	
409	

<210> 963  
 <211> 163  
 <212> DNA  
 <213> Homo sapien

<400> 963	
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tgaacacgac	tgcgagccgt
cggaccctga	gcaggagacg
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cgaaccaaca	tgctgctgga
gctcgcaagg	tcacttttca
ataggatgga	ctttgaagac
120	
ttgggggttg	tagtagattg
ggaccaccac	ctgcctccac
cag	
163	

<210> 964  
 <211> 344  
 <212> DNA  
 <213> Homo sapien

<400> 964	
ccactggcgt	agttattggc
ctggcaggta	tagagtccgc
tgttcttctc	agtgatgttg
60	
gagataaaga	gctcttgtgt
gtgttgctgg	atgttcccat
caatcagcca	agaatactgt
120	
gcagggtggg	tagaggctgc
atggcaggag	aggctgagg
tcacccctgg	acggtaatag
180	
gtgtatgagg	gggaaatgg
gggtcgtct	gggccataga
ggacattcag	gatgactggg
240	
toctgtgtgt	caacacttaa
ttcgttcttg	attccacact
cataggggtc	tacatcattc
300	
cttgtgacac	tgagtagagt
gagggtcctg	ttgtcattgg
acag	
344	

<210> 965  
 <211> 461  
 <212> DNA  
 <213> Homo sapien

<400> 965	
ctgagctttc	agcagataaa
tcacagcaga	aatagaatca
ccctaggact	ttcaatcaaa
60	

agctggaagt	ccaccttaca	gaaagacaaa	aagaaacccc	tttttatatc	ttaacaaagc	120
aatagctctc	aagcagcaga	gcatctcgag	gaaggaagct	tgcccggtcg	ccatcccatc	180
atgccagagc	gtgcagtgtc	cacccttgac	tacgctgggg	aattgctgat	tttttgaaaa	240
agcttaactt	aacaatttct	gatgtctatc	ttttagagtt	ctgtatgttc	ccatttttta	300
ttcttctgaa	ttttgaattg	caagtagctg	taaaatccaa	tctttgagtg	catgggggtg	360
ggtgtgaggc	ggggctcagc	ttcaaccccc	tgctcctgtaa	agcagtggtc	ggtttttctt	420
gagcccagcc	ctgggaggtc	gtggtaggtg	tggaggctgc	a		461

<210> 966  
 <211> 246  
 <212> DNA  
 <213> Homo sapien

<400> 966	
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actgggttct	gataaaattc
tagtaaaacta	tttgtaaattg
ccgaaggccg	acccatgggg
tcgcag	
	60
tgagtgggtt	gatgcagggtt
gataaaattc	cacagaatcc
gggacatata	ttcccagcac
cttgacatg	ctctgagatg
	120
gcagccttca	gtccccgagt
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cagtaggaca	cattgatctt
actgcattat	
	180
ctctgagatg	actgcattat
	240
	246

<210> 967  
 <211> 244  
 <212> DNA  
 <213> Homo sapien

<400> 967	
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gcgaggagaga	aaagacagag
tcagaaaagg	gtcagcccga
aacggctcgc	tttgagggcc
cacg	
	60
gtcagaaagg	agacaagtga
catcggaac	aatcagaggg
gccagagttt	ctagaagcag
tgcagaagcg	ctcacacact
	120
aaacggtcag	atggacacag
aatcagaggg	gccgagacga
ctagaagcag	tttccaattc
tgcagaagcg	ctcacacact
	180
atggacacag	
gccgagacga	
tttccaattc	
ctcacacact	
	240
	244

<210> 968  
 <211> 436  
 <212> DNA  
 <213> Homo sapien

<400> 968	
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aggggaccag	atatttctga
gccagcatgg	ctgctcactg
cttccaagac	ttcatattat
taatctgaca	
aacctttaat	60
ttatatgttt	aggggaccag
gtttaaaaaa	atatttctga
	ctgctcactg
	ttcatattat
	120
	atgaaattaa
	tgctgtccaa
	180
	ataaaatttg
	ctacactaca
	ctgttatagt
	240
	tggttaattc
	300
	tgacctgaat
	360
	ataaaccttt
	tttaaaacaa
	420
	436

<210> 969  
 <211> 383  
 <212> DNA  
 <213> Homo sapien

<400> 969	
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	60
tgtctccagg	
gctttggagg	
atcagggtag	
ggagggtctt	

caggtgtcag	gatcagaatc	atgggtagaa	ggtgccattc	agctcacagc	cgcacccaga	120
atcctttgca	gccctccttc	tttatttttt	tcccattgca	ttctgggagt	ccacatctgg	180
ctttctcagc	cactgttcat	caccaggggt	tttaggagga	aggcttggct	cctgtcttcc	240
cagaaccacc	atgcctggag	aggtcaggat	ggaactacct	cattcggcga	attagcccca	300
aattgaacgc	tgaatcgtgt	cccatgagat	caggcgccat	ctgtaaagtc	tcctctggaa	360
atgccaatcc	atccttcccc	cag				383

<210> 970  
 <211> 543  
 <212> DNA  
 <213> Homo sapien

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tacttggtgt	tgctttgttt	ggaggggtgt	gtggtctcca	ctccgcctt	gacggggctg	120
ctatctgcct	tccaggccac	tgtcacggct	cccgggtaga	agtcacttat	gagacacacc	180
agtgtggcct	tggtggcttg	aagctcctca	gaggagggcg	ggaacagagt	gaccgagggg	240
gcagccttgg	gctgacctag	gacggtcagc	ctggtccctc	cgcgaacac	cgaagtgcta	300
ctgtttgtat	atgagctgca	gtaataatca	gcctcgtcct	cagcctggag	cccagagatg	360
gtcagggagg	ccgtgttgcc	agacttggag	ccagagaagc	gattagaaac	ccctgagggc	420
cgatcagtga	catcataaat	catgagtttg	ggggctttgc	ctgggtgctg	ttggtaccag	480
gagacatagt	tataaaaacc	aacgtcactg	ctggttccag	tgcaggagat	ggtgatcgac	540
tgt						543

<210> 971  
 <211> 416  
 <212> DNA  
 <213> Homo sapien

ccagactgac	ttcaaaaaat	taatgtgtat	ccagggacat	tttaaaaacc	tgtacacagt	60
gtttattgtg	gttaggaagc	aatttcccaa	tgtacctata	agaaatgtgc	atcaagccag	120
cctgaccaac	atggtgaaac	cccatctgta	ctaaacataa	aaaaattagc	ctggcatggt	180
ggtgtacgcc	tgtaatccca	gtgacttggg	aggctgaggc	aggagaatcg	cttgaacccg	240
ggaggcggag	gttgcaagtga	gctaagatcg	caccactgta	ctccagcctg	ggcaacagcg	300
agactccatc	tcaaaaaaaa	aggaaatgtg	tatcaagaac	atgattatcc	aggggtatgt	360
tctaattcag	atcatcaaac	tgattatata	gaagagttgg	ctttaaaatg	tttgca	416

<210> 972  
 <211> 242  
 <212> DNA  
 <213> Homo sapien

ccaaaaatcc	caaaacatca	ttttcaatca	gtagagaagt	gcttaggggt	gaaaattgat	60
ttcatttgct	actgaatttg	gtaaatcctg	ggtaactttt	atcaagatga	agacatttta	120
ccctacctac	tctagaaata	tacaacaatg	ttatatttta	cactccttgg	aaacatttga	180
ggaaaaaaat	gcaatttgca	cttcactttg	ttggaatatc	ccatagcact	caataaactc	240
ag						242

<210> 973  
 <211> 347  
 <212> DNA  
 <213> Homo sapien

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<210> 974
<211> 571
<212> DNA
<213> Homo sapien
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```
<210> 975
<211> 221
<212> DNA
<213> Homo sapien
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<220>
<221> misc_feature
<222> (1)...(221)
<223> n = A,T,C or G
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<210> 976
<211> 316
<212> DNA
<213> Homo sapien
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<400>	976						
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tggccctgcc	atcttcattg	gctgggcagg	gtctgcctta	gtcatcctgg	gaggtgcact		120
gctctcctgt	tcctgtcctg	ggaatgagag	caaggctggg	taccgtgcac	cccgctctta		180
ccctaagttc	aactcttcca	aggagtatgt	gtgacctggg	atctccttgc	cccagcctga		240
caggctattg	gagtgtctag	atgcctgaaa	gggcctgggg	ctgagctcag	cctgtgggca		300
gqgtaccqqa	caagat						316

<210> 977  
 <211> 335  
 <212> DNA  
 <213> Homo sapien

<400> 977  
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 agggagcaaa tattcgggtt gtgttgctaa gagtgcagg aactactgct agtgatacta 120  
 ggcttgctgc aggaggatgt cacgctgaga aaggagatg actaggagca gaaaaagtac 180  
 tctcactggt ccagcttcca gcccaatcct agcagaatga atgcatttta aaatcagtcc 240  
 acattcacat gtgctgagaa ggttggttagt ggtccctcat ctgggcaaag cagacccaag 300  
 atggtgctaa gtgcagagtg cagagcattc ttgtg 335

<210> 978  
 <211> 280  
 <212> DNA  
 <213> Homo sapien

<400> 978  
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 tcataataag cccttgggat ttgctgagct cccacatggc tttcttcaac cacctggccc 120  
 actttcttca accacattcc actttggaat gcgtgtcttt aaggcaccaa gtgatcttaa 180  
 gaatgggctc tgtttttgaa ttcagcaatc caagttccta tctatctcgg tgggacctcc 240  
 aaaaaaaga aaaaggattg gcttggcttc taatgtaagg 280

<210> 979  
 <211> 318  
 <212> DNA  
 <213> Homo sapien

<400> 979  
 ctgtccagat gacagtaaga ttccactgtc tgtaatcctc atggtgccag gtctcctggg 60  
 gcatctaagg caatgatgct actgcagttt atgcagttac acagtcaagt ctgtgccaaa 120  
 ggaggtccca tccggcggcc aggtttctgt tcagctcggg gagcaatgcc aactggctgc 180  
 ccccatagcc tggcatgagc tgatggccca gtgcaatccc aaagcaaaga agggcagaac 240  
 tgggccaaaga agctgtggtg atttgctctc cctgcctccg acagcgtcgt cctctccttt 300  
 tgcagcccca cagcagg 318

<210> 980  
 <211> 568  
 <212> DNA  
 <213> Homo sapien

<400> 980  
 ccagcactgg ctcttctgat gttttcctag gacattagga caagccgaag ccctggacaa 60  
 aatctgtgaa gtggatctag tgatcagttt gaattattcca tttgaaacac ttaaagatcg 120  
 tctcagccgc cgttggattc accctcctag cggaagggtg tataacctgg acttcaatcc 180  
 acctcatgta catggtattg atgacgtcac tgggtgaaccg ttagtccagc aggaggatga 240  
 taaacccgaa gcagttgctg ccaggctaag acagtacaaa gacgtggcaa agccagtcac 300  
 tgaattatac aagagccgag gagtgtccca ccaattttcc ggaacggaga cgaacaaaat 360  
 ctggccctac gtttacacac ttttctcaaa caagatcaca cctattcagt ccaaagaagc 420  
 atattgaccc tgoccaatgg gagaaccagg aagatgtggt cattcattca atagtgtgtg 480  
 tagtattggt gctgtgtcca aattagaagc taactgaggt agcttgacgc atctcttcta 540

gttgaaatgg tgaactgata ggaaaaca

568

<210> 981

<211> 550

<212> DNA

<213> Homo sapien

<400> 981

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gcttacatat	aatttttcatt	cttagaaaaa	cgccacattt	tggatcctgg	atttttctga	120
atatcatgat	tgaaaaaaac	aaaacaaaaa	atgaacccaa	atcaaagtgt	ggttaaactt	180
atatgagaaa	gattttttcaa	ccagatggtc	attcaaaaaa	gttggagctg	taagtgccgg	240
cgactgagga	cacagggtta	attcctcgtc	gctgggtggaa	ggctagagaa	catcttcaaa	300
agagggtagc	aagacgtgct	cctaggggag	gctcagtgtg	gtctcgtctg	ccaagcatt	360
ttcagtcctg	cttgggtcaat	gacatcgagt	aagttttttg	catccacagc	cagggcgtga	420
gcagcagtc	gcattttgctt	tttgtactct	tgtctggaggc	tggcatgac	atactgctgg	480
gccagtttca	tcttggtgat	gagctcacc	aggtcagagt	tcaatagctt	ctgtgccatc	540
tcaatctctc						550

<210> 982

<211> 524

<212> DNA

<213> Homo sapien

<400> 982

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ctgggcactg	cccagagtga	tggcattggt	cgggatgctg	ttctgtctct	gcttggacac	120
cttcgcaaag	atttctttca	ggacagtctc	aaaggctagc	tcaacattgg	tagagtccag	180
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aagttataat	cttcctcagt	tccattcccc	atcttggtct	cgcattggagg	gtgcagggtg	480
cttcggggac	agaggcgaca	aatctgtgtg	ttggctcaat	gcc		524

<210> 983

<211> 140

<212> DNA

<213> Homo sapien

<400> 983

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acctgccct	gtgtgtgcac	aggcagctcc	actcggcaca	tcgtgacctt	tgatgggcag	120
aatttcaagc	tgactggcag					140

<210> 984

<211> 358

<212> DNA

<213> Homo sapien

<400> 984

tggagcggcc	gcccggcagg	tccaacgagt	cacaacagtg	caataggtag	aggattaaaa	60
actgcatcaa	acaggtgctg	aaaataaata	ctacctagga	gaaggagggtg	agagccctcg	120
tgtgggggtt	gttttcgacc	ccttgagtgt	gtgtgggggtt	tgtcttccga	gccacgagcc	180

tgccctgtct	cgcggtgctg	ttaactctga	cagagtgcgc	ctgcagcacg	ttgcctccag	240
ggcccagcct	cccagaagcc	tcagagcatc	agagcatccg	tcccatcgga	tgaccagaa	300
acaagaaaat	ggggtggggt	gaatcacagc	tatcattcaa	aggaaaggaa	tttttttc	358

<210> 985  
 <211> 450  
 <212> DNA  
 <213> Homo sapien

<400> 985						
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acaagacaac	ctgaagctaa	atggatgccc	cctgcagagt	caacaggtec	agcctcacag	120
tgcacgcct	gagctacagc	ctctcccaaa	aggcatcttc	cccacagcct	caacgccgag	180
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cagttgaaaa	ctcaggattt	ctagccaata	accatagtta	ccaccacctt	acaaataaaa	300
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acagtttcag	ggtgctccag	acacccatgg				450

<210> 986  
 <211> 340  
 <212> DNA  
 <213> Homo sapien

<400> 986						
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agttgcagca	ctgagtggtc	aaaatacatt	tctggggccac	ctcagggaac	ccatgcatct	120
gcctggcatt	taggcagcag	agcccttgac	cgtcccccac	agggctctgc	ctcacgtcct	180
catctcattt	ggctgtgtaa	agaaatggga	aaagggaaaa	ggagagagca	attgaggcag	240
ttgaccatat	ccagttttat	ttattttattt	ttaatttggtt	tttttctcca	agtccaccag	300
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<210> 987  
 <211> 227  
 <212> DNA  
 <213> Homo sapien

<400> 987						
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acaaacggaa	taccacgtgg	caggccgggc	acaacttcta	caacgtggac	atgagctact	120
tgaagaggct	atgtggtacc	ttcctgggtg	ggccaagcc	acccagaga	gttatgttta	180
ccgaggacct	gaagctgcct	gcaagcttcg	atgcacggga	acaatgg		227

<210> 988  
 <211> 241  
 <212> DNA  
 <213> Homo sapien

<400> 988						
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tcaaacctgc	cggggcttct	ccgcctttt	ttccggcg	cgggagaagt	agattgaagc	120
cagttgatta	gggtgcttag	ctgttaacta	agtgtttgtg	ggtttaagtc	ccattggtct	180
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t						241



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<400> 992
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cctcccaaca gtctcctttg tacgtgctgn nctctctgcc tggaaacact gtttcccacc    120
cccaaccccc aattctttctg tttatttttc ttgagacaga gtctcactgt gtagcccaga    180
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```
<210> 993
<211> 232
<212> DNA
<213> Homo sapien
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<210> 994
<211> 203
<212> DNA
<213> Homo sapien
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```
<210> 995
<211> 238
<212> DNA
<213> Homo sapien
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```
<210> 996
<211> 379
<212> DNA
<213> Homo sapien
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<400>	996						
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gttgctggag	atggagggct	tgggcagctc	cgggtataca	tggaactgtc	cggttgcttc		180
ttcattcaca	agatctgact	ttatgacttg	tagggatatag	aatcctgtgt	cattctgggt		240
gacgtttctg	atcagcaggg	atgcattggg	gtatattgtc	tctcgaccac	tgtatgctgg		300
cctgtgggta	gctgtgtgag	ttcctattac	atatcctaca	attagactgt	tgccatccac		360
tctttcgcct	ttgtaccag						379

<210> 997  
 <211> 210  
 <212> DNA  
 <213> Homo sapien

<400> 997  
 ccatccgaag caagattgca gatggcagtg tgaagagaga agacatattc tacacttcaa 60  
 agctttgggtg caattcccat cgaccagagt tgggccgacc agccttggaa aggtcactga 120  
 aaaatcttca attggattat gttgacctct accttattca ttttccagtg tctgtaaagg 180  
 ccgtggagaa gtgtaaagat gcaggattgg 210

<210> 998  
 <211> 207  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(207)  
 <223> n = A,T,C or G

<400> 998  
 ggtggctgtg ctggggggcgc cccacaaccc tgctcccccg acgtccaccg tgatccacat 60  
 ncgcagcgag acctccgtgc ccgaccatgt cgtctggtcc ctgttcaaca ccctcttcat 120  
 gaaccctgc tgccctgggtc tcatagcatt cgctactcc gtgaagtcta gggacaggaa 180  
 gatggttggc gacgtgaccg gggccca 207

<210> 999  
 <211> 315  
 <212> DNA  
 <213> Homo sapien

<400> 999  
 ccaatgggct ttgctgtagc ttgctgaaat caccaagcag gagagattta accagaggcg 60  
 atgtgtccag tcaccagcat agagccatcc tctgtgtcac catccacacg cagggccttc 120  
 tggcagacct catgcaatgc cctccatggt aatattcatc agaaaatgga taattagggg 180  
 ggccagcaaa aatatcaagg gtcaaataac gcacatttct gtttaggcca tctatggctt 240  
 tcatctcttc tgaagtcaac tggaaatcaa acacctgcac gttctgtctg atgcgctgct 300  
 cattgtagct cttgg 315

<210> 1000  
 <211> 186  
 <212> DNA  
 <213> Homo sapien

<400> 1000  
 ctgttactca agaagatgta tttaatgctt gacaataaga gaaaggaagt agttcacaaa 60  
 ataataagat tgctgaatgt cactgaaact acccagaatg ccctgattaa tgatgaacta 120  
 gtggagtgga agcggagaca gcagagcgcc tgtattgggg ggccgcccac tgcttgcttg 180  
 gatcag 186

<210> 1001  
 <211> 173  
 <212> DNA

<213> Homo sapien

<400> 1001

ccacaaagcg	gaaactcatc	cacttttgcc	ttttccgcc	ccagggtcaaa	aatgcgaatc	60
ttggcatcag	ggacacctcg	gcagaagcga	gactttgggt	acggcttggt	cttacaatac	120
cggtaacaac	gggcggggcg	gcggcccatg	gcgacaccag	gatcttcagt	ggc	173

<210> 1002

<211> 302

<212> DNA

<213> Homo sapien

<400> 1002

ctgaatgcct	gagcccagca	gggagctgag	gatcatgggg	tactgggggg	gcctgaagac	60
gtcgccgtgc	accaacttcc	acccagactc	ctccatgggt	tcttcaatgt	catcctcctt	120
gttgtagttg	gcaatgtcct	tccggagggt	ccgaatgata	atcatgctca	ggataacctga	180
caggaaagaag	accacaacaa	cggagttaat	gatagaaaac	cagtggatct	ggacgtcact	240
catggtcagg	taagtgtccc	agcgagaggg	ccatttgata	tcactttcct	cccagtggac	300
ag						302

<210> 1003

<211> 368

<212> DNA

<213> Homo sapien

<400> 1003

cctgggcccg	ctgacttcag	ggtgaggcca	cagctactgc	agcgcttttt	atatttttat	60
ttatttactg	agatggagtc	ttgctctgtc	acccaggctg	gagtgcagtg	gtgcaatctc	120
ggctcactgc	aacctctgcc	tcctgggctg	cagtgattct	cctgcgttca	agtaattctc	180
ctgcctcggc	cttctgagta	gttgggatta	caggcatatg	ccaccacact	tggctaattt	240
tttgatattt	tagtagaaat	ggggtttcac	catgttggcg	aggctgggtc	cgaactcccg	300
acctcaagga	tcctcctgcc	tcggcctcct	aagggtgctg	gattgcaggt	gtgagccacc	360
acgtctgg						368

<210> 1004

<211> 294

<212> DNA

<213> Homo sapien

<400> 1004

ctgggcggat	agcaccgggc	atattttgga	atggatgagg	tctggcacc	tgagcagtcc	60
agcgaggact	tggctcttagt	tgagcaattt	ggctaggagg	atagtatgca	gcacggttct	120
gagtctgtgg	gatagctgcc	atgaagtaac	ctgaaggagg	tgctggctgg	taggggttga	180
ttacagggtt	gggcacagct	cgtacacttg	ccattctctg	catatactgg	ttagtgaggt	240
gagcctggcg	ctcttctttg	cgctgagcta	aagctacata	caatggcttt	gtgg	294

<210> 1005

<211> 414

<212> DNA

<213> Homo sapien

<400> 1005

ctgaagcact	cttcagagac	tacgtccaca	gacactgatg	ctgaggcett	tcttgtaagt	60
gaagaaaaag	gaatgcagca	aagaagagtt	cgacattgga	gtccttagtt	ccatcaggat	120

0934966-05004

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cccattcgca gccttttagca tcatgtagaa gcaaactgca cctatggctg agataggtgc      180
aatgacctac aagattttgt gttttctagc tgtccaggaa aagccatctt cagtcttgct      240
gacagtcaaa gagcaagtga aaccatttcc agcctaaact acataaaagc agccgaacca      300
atgattaaag acctctaagg ctccataatc atcattaaat atgccccaac tcattgtgac      360
tttttatttt atatacagga ttaaaatcaa cattaaatca tcttattttac atgg          414

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<210> 1006
<211> 272
<212> DNA
<213> Homo sapien

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<400> 1006
ccggagccca cgggtggcat ggctgccaga gcgctctgca tgctggggct ggtcctggcc      60
ttgtgtcct ccagctctgc tgaggagtac gtgggcctgt ctgcaaacca gtgtgccgtg      120
ccagccaagg acaggggtgga ctgcggttac ccccatgtca cccccaagga gtgcaacaac      180
cggggctgct gctttgactc caggatccct ggagtgcctt ggtgtttcaa gcccctgcag      240
gaagcagaat gcaccttctg aggcacctcc ag          272

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<210> 1007
<211> 313
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(313)
<223> n = A,T,C or G

```

```

<400> 1007
cctgccttac tctnttcctt ttccccaggg actcttggtt ttcagaagcc cctctggaat      60
gtcctacctg gcctaaccct ataccagcag tgcagacaag gaggcactcc tactatagtg      120
ggtcacagcc atggagagac tcaacttctg ccccaacacc tcttccccta gaccctgagg      180
gccaggacaa tgtcttagtg ctttccaact tggcagagtg aggcccatg agacagagag      240
aaagggggaa gagggaaata cctttatcca aataaatacc catccaaaat tatttgtgat      300
aggtgaaaaa tgg          313

```

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<210> 1008
<211> 317
<212> DNA
<213> Homo sapien

```

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<400> 1008
cctcaatgtc gtgctagagg ggccgaagaa ggccgtgaac gacgtgaatg gcctgaagca      60
atgtttggca gaattcaagc gggatctgga atgggttgaa aggctcgatg tgacactggg      120
tccggtaccg gagatcgggt gatctgaggc gccagcacct cagaacaagg accagaaagc      180
tgttgatcca gaagacgact tccagcgaga gatgagtttc tatcgccaag cccaggccgc      240
agtgccttga gtcttaccct gcctccatca gctcaaagtc cctaccaagc gacccactga      300
ttattttgcg gaaatgg          317

```

```

<210> 1009
<211> 456
<212> DNA
<213> Homo sapien

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<400> 1009  
 tttttttgta gggatatagaa aatacatttt taattttgat agagttcaca aatgacagca 60  
 ttgacatttc tttaaacaaa tacttctgtc aaggcacagc attaccatgt gtccccagat 120  
 gcccaagagg cagtgatttc atgtccccct gaggttttagc agagccacca atgtcaatag 180  
 ggtggctgac ggggcctaga tttgctacca gataagccaa tgagacatgc tgtcagattt 240  
 atggttacat aatcaagtat ttaaaaagat gcacaatagg taactgcaat gagcttgttc 300  
 tgcatttagc gatagttcct ttcaaacaaa gaagatagtt ttcagtatca agaaggatgc 360  
 ctatatgtat gtcttccatg gagcctttcc tacaattgc tttcattaca cattaaaagg 420  
 agttcagctt tattgtgacc ttcttgagtc attcag 456

<210> 1010  
 <211> 196  
 <212> DNA  
 <213> Homo sapien

<400> 1010  
 ctgggcatgg gctgaggaga ggtcttgctt gcccccttca actttccatc tcagaactat 60  
 aaactgctag gctgcaagga gagaagggct aagtgggggt cagacaggag agaagggcag 120  
 gaggcagtga gccccgatga cccaccaact ccaccaggcc ctgacaggga agcccccttg 180  
 gttagtatca ttttgg 196

<210> 1011  
 <211> 449  
 <212> DNA  
 <213> Homo sapien

<400> 1011  
 ccttgcggt gctgcgaaag gccacggcgc tgcttgcccg ccggggccgag tactttgatg 60  
 gttcagagcc cgtgcagAAC cgcgtgtaca agtactgaa ggtctggtcc atgctcgccg 120  
 acctgaagga gagcctcggc accttccagt ccaccaaggc cgtgtacgac cgcatacctg 180  
 acctgcgtat cgcaacaccc cagatcgtca tcaactatgc catgttcctg gaggagcaca 240  
 agtacttoga ggagagcttc aaggcgtacg agcgcggcat ctgctgttc aagtggccca 300  
 acgtgtccga catctggagc acctacctga ccaaattcat tgcccgtat gggggccgca 360  
 agctggagcg ggcacgggac ctgtttgaac aggctctgga cggctgcccc ccaaaatatg 420  
 ccaagacctt gtacctgctg tatgcacag 449

<210> 1012  
 <211> 289  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(289)  
 <223> n = A,T,C or G

<400> 1012  
 ccaggaccac aaccccaagc tgtagctggt agcgcagggc aatcagggct ggggttcgct 60  
 tgtgttttt tgccaaggca caaaggactg ggtcctccaa gagcaccggg gagttcgggt 120  
 ccacccatgg ttcttctcgg tgggatccca gagcactata ggcaaccaga acaatgtctt 180  
 ttgacttgca gaaatccagc agttttctct ggttgaagta aggatgacat tccacctggt 240  
 tgacagacag cttgtacttg agccctggct tgtnnaggat catctccag 289

<210> 1013

<211> 221  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(221)  
 <223> n = A,T,C or G

<400> 1013  
 tctgtaaaatg ctgogttcct aatttagtaa aataaaagaa tagacactaa aatcatgttg 60  
 atctataaatt acacctatgg gatcaataag catgtcanna ctgattaatg tctactgtaa 120  
 aaatttggtgta gnnaaatttt catttgatat tagatataaa tatctgaata taaataattn 180  
 taatatacta gtcatgatgt gtgttgatt ttaaaaatta t 221

<210> 1014  
 <211> 512  
 <212> DNA  
 <213> Homo sapien

<400> 1014  
 gggccccga agcctctaca atgggctggt tgccggcctg cagcgccaaa tgagctttgc 60  
 ctctgtccgc atcggcctgt atgattctgt caaacagttc tacaccaagg gctctgagca 120  
 tgccaagcatt gggagccgcc tcctagcagg cagcaccaca ggtgccctgg ctgtggctgt 180  
 ggcccagccc acggatgtgg taaaggtccg attccaagct caggcccggg ctggaggtgg 240  
 tcggagatac caaagcaccg tcaatgccta caagaccatt gcccgagagg aagggttccg 300  
 gggcctctgg aaagggacct ctcccaatgt tgctcgtaat gccattgtca actgtgctga 360  
 gccggcgacc tatgacctca tcaaggatgc cctcctgaaa gccaacctca tgacagatga 420  
 cctcccttgc cacttcactt ctgcctttgg ggcaggcttc tgcaccactg tcatcgccctc 480  
 ccctgtagac gtggtcaaga cgagatacat ga 512

<210> 1015  
 <211> 553  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(553)  
 <223> n = A,T,C or G

<400> 1015  
 ctgggcagga agattatgat cgcccagggc cctctccta cccagatacc gatgttatac 60  
 tgatgtgttt ttccatcgac agccctgata gttcagaaaa catcccagaa aagtggaccc 120  
 cagaagtcaa gcattttctgt cccgacgtgc ccatcatcct ggttggaat aagaaggatc 180  
 ttcggaatga tgagcacaca aggcgggagc tagccaagat gaagcaggag ccggtgaaac 240  
 ctgaagaagg cagagatatg gcaaacagga ttggcgcctt tgggtacatg gagtgtctcag 300  
 caaagaccag agatggagtg agagaggttt ttgaaatggc tacgagagct gctctgcaag 360  
 ctagacgtgg gaagaaaaaa tctgggtgcc ttgtcttctg aaaccttgct gcaagcacag 420  
 ccttatgcg gttaattttg aagtgtgtt tattaatctt agtgtatgat tactggcctt 480  
 ttcatttat ctataattta cctaagatta caaatcanga agtcatcttg ctaccagtat 540  
 ttagaagcca act 553

<210> 1016

<211> 431  
 <212> DNA  
 <213> Homo sapien

<400> 1016  
 ccacttcaca tgatggcgagg cctttaagag cacaaagaag tttaatatgg acaacaacag 60  
 gaaaaagcaa gaagaaaaca agtagggaaa gacagctaac ctggagagag agaatttctt 120  
 taacctttat gttcttcatt aaaaatctta tcttggaactg atttgaggga tttttagaaa 180  
 catggcctta ttttatataa gcattacctt cccaggaatc tttgttgtat attaatTTTT 240  
 gataaccatt tgattaaactt taaaattaag tatatgtgtg tatatatata tatgtatgtt 300  
 tatatacaca catgtatctg tatagtttta tatatacata tatacacata gacatacaga 360  
 gaaccactac tttgtaatatg tgtacagttt gttttatatc tctttacttt ttttgttact 420  
 attttatctg t 431

<210> 1017  
 <211> 490  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(490)  
 <223> n = A,T,C or G

<400> 1017  
 ctggaagaac aaggcgaagt tctgggtggct gtctgcgatg aatgtgccct tggtcttggc 60  
 tgggtatgtc acccggttag ttttgggtgc aatgctctga tccttatcca cggtggaaag 120  
 atcaacattt gtgatgcaa cttcagtgga gatcttgact ctgagctcta cggtatttgc 180  
 aatataccgg ttgtcacctt caacttcgac aaggaagtca taataaccac tggaaaattt 240  
 gacgttcatg aaatttagtt caaaaacatc ccctacaggg gtgaaggatg tcttctggag 300  
 gacagtggct ctggaagcaa cagatttagc atgttctagt ttaacagtgg cctgagtcag 360  
 aggctgagac agaacattgg tgacttgcaa ccgcaagata gcctgttcat gagtgtcggg 420  
 agcagancct tcangcaca ccacaactgg cactggtag cgattatgcg agagcacagg 480  
 cagacctcgg 490

<210> 1018  
 <211> 503  
 <212> DNA  
 <213> Homo sapien

<400> 1018  
 ggagtaagct gagtacaagt accatagcag cagagctgca aaaggctctg ggacctatag 60  
 tcctaagtca agataaggct atggggccta aggccatggg gcctgaggca cccctagacc 120  
 ctgagccttc agcattttaag ggagggtgtc ccccatctct cgataggcca tggtagacag 180  
 atgggtctag ccgaggtgct ataactgctt ggaccactgt tgcagtccaa cctagtactg 240  
 acactatatg gtttgaaacc cgggtgtggac aaagttagcca atgggctgaa cttagagcag 300  
 tgtggatggt gatcaccaag gaggtgacac tgatggtaat ctgtatcaat agctgggtgg 360  
 tctaccaagg cttaactttg tgggttaacta cctggaaaat acagaagtgt ctagtcggcc 420  
 accaaccctt ttgggggtcaa gccacgtggc aagacctctg ggaaatgggt catcagaaac 480  
 aggtaaccgt ttatcatgtg tca 503

<210> 1019  
 <211> 348  
 <212> DNA



<213> Homo sapien

<400> 1019

cctgtgtatg	gagtagaggg	gggtgcacgg	gtactgttcc	tcacggcagt	caagaggccc	60
aggctctgtg	ggctccagct	ctgcatttcc	cggttctggg	gttggggctg	ggatgacttc	120
ctgttgact	tgctgctggg	actggaactg	gaactgttcc	tcggaggggc	gaggagtcac	180
ctcttgataa	tcatagtagt	ctgggttgct	gatctggctg	ctatagtggg	tgtactggac	240
gtggtcaggg	aacggcggca	gcgggtccag	gtcatactgg	ccctgagcca	gcaagcctgc	300
aggcaggaat	agcaggaaga	ggtaggcagc	tctcatggca	acaaagag		348

<210> 1020

<211> 260

<212> DNA

<213> Homo sapien

<400> 1020

ccacacggcg	accgagggac	agatggggcc	ctgcgtccca	taggctgcct	gaaggtgggt	60
agggcggcct	gcggcatagt	gggttggtg	tgggctccca	gcctggcccc	tgggaaccgt	120
gggagcacag	ggacaagcac	atggctatgg	aatgcagggt	gacccaagga	caagcgagtt	180
gcggggatct	ctactgtgac	catgcagaat	tgatcgagct	ctgctgcgcc	accaccacct	240
catgttcccc	aggggaacag					260

<210> 1021

<211> 407

<212> DNA

<213> Homo sapien

<400> 1021

ccttatgact	ataacggccc	acgagaaaaa	tatggaatcg	ttgattacat	gatcgagcag	60
tccgggcctc	cctccaagga	gattctgacc	ctgaagcagg	tccaggagtt	cctgaaggat	120
ggagacgatg	tcatcatcat	cggggtcttt	aagggggaga	gtgaccacgc	ctaccagcaa	180
taccaggatg	ccgctaacia	cctgagagaa	gattacaaat	ttcaccacac	tttcagcaca	240
gaaatagcaa	agtctctgaa	agtctcccag	gggcagttgg	ttgtaatgca	gcctgagaaa	300
ttccagtcga	agtatgagcc	ccggagccac	atgatggacg	tccaggggctc	caccagggac	360
tcgcccatca	aggacttcgt	gctgaagtac	gcctgcctcc	tggttg		407

<210> 1022

<211> 140

<212> DNA

<213> Homo sapien

<400> 1022

ccaccccaga	gtgggagagg	ctgggaggtt	gggaggctgt	ggagagaagt	gagcaagggtg	60
ctcttgaacc	tgtgctcatt	ttgcaatttt	atcagtaatt	tgaacttagag	tttttacgaa	120
acctcttttg	ttgtccttgc					140

<210> 1023

<211> 280

<212> DNA

<213> Homo sapien

<400> 1023

ctggagggtg	ctcagaagggt	gcattctgct	tccctgcaggg	gcttgaaaca	ccaaggcact	60
ccagggatcc	tggagtcaaa	gcagcagccc	cggttggtgc	actccttggg	ggtgacatgg	120

gggtagccgc agtccaccct gtccttggct ggcacggcac actgggtttgc agacaggccc 180  
 gcgtactcct cagcagagct ggaggacagc aaggccagga ccagccccag catgcagagc 240  
 gctctggcag ccatgaccac cgtgggctcc gggacgcagc 280

<210> 1024  
 <211> 274  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(274)  
 <223> n = A,T,C or G

<400> 1024  
 cctggctgag caggcagagc accctgggac cccagggcag aaggaccctt gccctccagt 60  
 ccccaagacc caggcccgtc tccactcata cagcccacct acatgtgacg tcagccctga 120  
 aaaggtaaca ggaaagtcca gaacaaaaaac aaacccccaa aagtaaaaag gctacgtgta 180  
 gcagagtaat accggaaacg ttatatacac aggcggtgat ggccccctcg gaagtgtccg 240  
 ggtcacttag ggggcactgc anaggtccct gtgg 274

<210> 1025  
 <211> 446  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(446)  
 <223> n = A,T,C or G

<400> 1025  
 gcaaagagtg tactgtgctt gaggcagagc actcacacat aaatggctgt gtgtggaatt 60  
 gcttgccaaa gaagtttcta gcctttccct ttcccctaac tgcatacagg aagaattctt 120  
 atctctagct tggtttccac atgaggtttt tctgagaagg gcttgggaca agaagtctgt 180  
 catgttagtt aagcaggcaa gaaatcctac taatccagtt ttgtttgaaa gttgtttgtc 240  
 cgtatgattt tttaaaagtc aagtttaatt tcaaaaaacc ttttttttct gagattactt 300  
 ttggggtaat atttaaaatg agagacattt tgtaaccctg taaaatacat aggggaatata 360  
 acattccagt gtatacaaag aaggcaaatt ctttaaatcaa ataaagcgca ttataaaatc 420  
 aaaaaanaaa naaaaaaaan aaaaaa 446

<210> 1026  
 <211> 189  
 <212> DNA  
 <213> Homo sapien

<400> 1026  
 ctgtgagaga gatgctcaat atgccccagg ctatgacaaa gtcaaggaca tctcagaggt 60  
 ggtcaccctt cggttccttt gtactggagg agtgagtccc tatgctgacc ccaatacttg 120  
 cagaggtgat tctggcggcc ccttgatagt tcacaagaga agtcgtttca ttcaagttgg 180  
 tgtaatcag 189

<210> 1027  
 <211> 92

<212> DNA  
<213> Homo sapien

<400> 1027  
ccagaccctc cttagtacag gatctcggac cacaaaccaa ggagtctcgt ggccttggat 60  
tcccagaccc taggatggta tccctctgac ag 92

<210> 1028  
<211> 438  
<212> DNA  
<213> Homo sapien

<400> 1028  
ctgaaaagcc atctttgcat tgttctcat ccgcctcctt gctcgcgcga gccgcctccg 60  
ccgcgcgcct cctccgccgc cgcggactcc ggcagcttta tcgccagagt cctgaactc 120  
tcgctttctt tttaatcccc tgcacggat caccggcgtg cccaccatg tcagacgcag 180  
ccgtagacac cagctccgaa atcaccacca aggacttaaa ggagaagaag gaagtgtgg 240  
aagaggcaga aaatggaaga gacgcctctg ctaacgggaa tgctaataag gaaaatggg 300  
agcaggaggc tgacaatgag gtagacgaag aagagggaag aggtggggag gaagaggagg 360  
aggaagaaga aggtgatggt gaggaagagg atggagatga agatgaggaa gctgagtcag 420  
ctacgggcaa gcgggcag 438

<210> 1029  
<211> 330  
<212> DNA  
<213> Homo sapien

<400> 1029  
ccagccgcat gggagtggag gcagtcacg ccttgctaga ggccaccccg gacaccccag 60  
cttgcgctgt gtcactgaac gggaaaccacg ccgtgcgcct gccgctgatg gagtgcgtgc 120  
agatgactca ggatgtgcag aaggcgatgg acgagaggag atttcaagat gcggttcgac 180  
tccgagggag gagctttgag ggcaacctga acacctaca ggcacttgcc atcaagctgc 240  
cggatgatca gatcccaaag accaatcgca acgtagctgt catcaacgtg ggggcacccg 300  
cggctgggat gaacgcggcc gtacgctcag 330

<210> 1030  
<211> 228  
<212> DNA  
<213> Homo sapien

<400> 1030  
ctggagactc tgggccagga gaagctgaag ctggaggcgg agcttggaac catgcagggg 60  
ctgggtggagg acttcaagaa caagtatgag gatgagatca ataagcgta agagatggag 120  
aacgaatttg tcctcatcaa gaaggatgtg gatgaagctt acatgaacaa ggtagagctg 180  
gagtctcgcc tggaagggct gaccgacgag atcaacttcc tcaggcag 228

<210> 1031  
<211> 294  
<212> DNA  
<213> Homo sapien

<400> 1031  
ccacaaagcc attgtatgta gcttttagctc agcgcaaaga agagcgccag gctcacctca 60  
ctaaccagta tatgcagaga atggcaagtg tacgagctgt gcccaaccct gtaatcaacc 120

```

cctaccagcc agcacctcct tcagggttact tcatggcagc tatcccacag actcagaacc 180
gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtccc cgctggactg 240
ctcagggtgc cagacctcat ccattccaaa atatgcccgg tgctatccgc ccag 294

```

```

<210> 1032
<211> 278
<212> DNA
<213> Homo sapien

```

```

<400> 1032
ggaggtatta cagacagcac tgcactttgg agttgggcag ctacatcgag gacctctttg 60
tgggtccacag tgacctctcc agcattgtga tcctggataa ctcccaggg gcttacagga 120
gccatccaga caatgccatc cccatcaaat cctggttcag tgaccccagc gacacagccc 180
ttctcaacct gctcccaatg ctgggtgccc tcagggttcac cgctgatgtt cggtccgtgc 240
tgagccgaaa ccttcaccaa catcggtctt ggtgacgg 278

```

```

<210> 1033
<211> 155
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(155)
<223> n = A,T,C or G

```

```

<400> 1033
cgcggttcanc catgttnaaa ccgattgcat naacttcgaa accggcccgc ccgcccggcg 60
ctggagaggg gcanngggag aagcagagag ttatcattc atctgtacac atagacgttt 120
cttcttttaa taacaccacg ggcgggagcc ccac 155

```

```

<210> 1034
<211> 401
<212> DNA
<213> Homo sapien

```

```

<400> 1034
ctggaccagc accccattga cgggtacctc tcccacaccg agctgggtcc actgcgtgct 60
cccctcatcc ccatggagca ttgcaccacc cgctttttcg agacctgtga cctggacaat 120
gacaagtaca tcgccctgga tgagtgggcc ggctgcttcg gcatcaagca gaaggatata 180
gacaaggatc ttgtgatcta aatccactcc ttccacagta ccggattctc tctttaaccc 240
tccccttcgt gtttccccca atgtttaaaa tgtttgatg gtttggtgtt ctgcctggag 300
acaaggtgct aacatagatt taagtgaata cattaacggt gctaaaaatg aaaattctaa 360
cccaagacat gacattctta gctgtaactt aactattaag g 401

```

```

<210> 1035
<211> 333
<212> DNA
<213> Homo sapien

```

```

<400> 1035
ctgagctggg ggttgaattt ctccaggcac tccctggaga gaggaccag tgacttgctc 60
aagtttacac acgacactaa tctcccctgg ggaggaagcg ggaagccagc cagggtgaac 120
tgtagcgagg ccccaggcc gccaggaatg gaccatgcag atcactgtca gtggagggaa 180

```





<213> Homo sapien

<400> 1043

ccagcctgga	gataaggggtg	aaggtgggtgc	ccccggactt	ccaggtatag	ctggacctcg	60
tggtagccct	ggtgagagag	gtgaaactgg	ccctccagga	cctgctggtt	tccctgggtgc	120
tcttgacag	aatggtgaac	ctggtggtaa	gggagaaaga	ggggctccgg	gtgagaaagg	180
tgaaggaggc	cctcctggag	ttgcaggacc	ccctggaggt	tctggacctg	ctggctcctcc	240
tggtcccaa	ggtgtcaaag	gtgaacgtgg	cagtcctggt	ggacctggtg	ctgctggctt	300
ccctggtgct	cgtgggtcttc	ctggctcctcc	tggtagtaat	ggtaaccag	gacccccagg	360
tcccagcgg	tctccaggca	aggatgggcc	cccaggtcct	gcgggtaaca	ctggtgctcc	420
tggcagccct	ggagtgtctg	gaccaaaagg	tgatgctgg			459

<210> 1044

<211> 368

<212> DNA

<213> Homo sapien

<400> 1044

cctgggccc	ctgacttcag	ggtgaggcca	cagctactgc	agcgcttttt	atttatttat	60
ttatttactg	agatggagtc	ttgctctgtc	accaggctg	gagtgcagtg	gtgcaatctc	120
ggctcactgc	aacctctgcc	tctgggctg	cagtgtattct	cctgcgttca	agtaattctc	180
ctgcctcggc	cttctgagta	gttgggatta	caggcatatg	ccaccacact	tggctaattt	240
tttgtatttt	tagtagaaat	ggggtttcac	catgttggcg	aggctggtct	cgaactcctg	300
acctcaagga	tctcctgcc	tcggcctcct	aaggtgctgg	gattgcaggt	gtgagccacc	360
acgtctgg						368

<210> 1045

<211> 315

<212> DNA

<213> Homo sapien

<400> 1045

ccaatgggct	ttgctgtagc	ttgctgaaat	caccaagcag	gagagattta	accagaggcg	60
atgtgtccag	tcaccagcat	agagccatcc	tctgtgtcac	catccacacg	cagggcctcc	120
tggcagacct	catgcaatgc	cctccatgtt	aatattcatc	agaaaatgga	taattagggg	180
ggccagcaaa	aatatcaagg	gtcaaatac	gcacatttct	gtttaggcca	tctatggctt	240
tcatctcttc	tgaagtcaac	tgggaattcaa	acacctgcac	gttctgtctg	atgcgctgct	300
cattgtagct	cttgg					315

<210> 1046

<211> 317

<212> DNA

<213> Homo sapien

<400> 1046

cctcgctg	agggccccgg	gcagcacagg	gaggacgagc	ttgtccagca	gagggctctgg	60
cagaggggtcc	cgcagagggtt	tgggcagggg	gtctgacatc	cctggctcct	gctctggctc	120
tggtctgccg	gatttgacac	ggcccagggtg	catacagatg	ccgtttgagt	caatctgggtt	180
ctggaagtag	tcgatgacca	gggggaagta	gtcgtcaagc	acttggttgc	actggggcat	240
gagcagcttc	aaggggagga	cgttgccactc	ctgctccagg	aacttcctca	ccgtgtcctg	300
gaaaatggcc	tccttgg					317

<210> 1047

<211> 412

<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(412)  
<223> n = A,T,C or G

```
<400> 1047
gtacaagctt tttttttttt tttttttttt tttgtttaat gcttgaactt tatttttgag      60
agagaaattt agaaagacac aaggtacaca gagtaaaatg tttttctttt ttcaggacct      120
tgaactgaat cttgcactgc tttggtttct atctaggaag ctccagcgaca gcagagtctg      180
tanaggcggc cactgatatt acacaccccg gagagggact cacgggtagc acaacggccg      240
gttcggcaat agcagggtgc tcttgccctga naacctgagg ttctaanagc ananagtcca      300
tttctgcaa aggagatagc aaggctcctg ttgtcttccc canactgctt ctgggttgta      360
gcctcatcag ctctttcctg gagtgactca gcctgggcct gcagggccac ca              412
```

<210> 1048  
<211> 476  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(476)  
<223> n = A,T,C or G

```
<400> 1048
taaaaaaagg aaaaagtatt attacgaaac tagtttgtat aaaacagggg tatacatatt      60
tttgtaagtt tgtaataaaa cagtaagaaa aaaaggcagt aatagaaatc tccaaaaggc      120
aacctatcaa aaccaactgg ctgccacttt gagtttgagc agtagctgca taaactttgt      180
tcttcttgaa cagtatttaa taacatcatt aatacatata caacatttct ataaagtaag      240
acacattggt gctgaagtac aactggnngc ctcttgatct cacctatgag gagagtctct      300
tacaaaacca catagggaaa attgcagttg taaggngaac tacncatcta aaatatgcan      360
aggtaatagc attacatggt aaaggatca agggnatata cacattttta accatttggn      420
acaaaacttn tataaaattt ntttctctct ctttctctct tatgcacaaa aaatat      476
```

<210> 1049  
<211> 274  
<212> DNA  
<213> Homo sapien

```
<400> 1049
cctggctgag caggcagagc accctgggac cccagggcag aaggaccctt gccctccagt      60
ccccagacc caggcccgtc tccactcata cagccacctt acatgtgacg tcagccctga      120
aaaggtaaca ggaaagtcca gaacaaaaac aaaaccccaa aagtaaaaag gctacgtgta      180
gcagagtaat accggaaacg ttatatacac aggcggtgat ggccccctcg gaagtgtccg      240
ggtcacttag ggggcactgc agaggccctt gtgg              274
```

<210> 1050  
<211> 472  
<212> DNA  
<213> Homo sapien



&lt;400&gt; 1050

ctgcagcctg	ggactgaccg	ggaggctctg	attattttacc	caccacaggt	aggttgtgtt	60
ctgaatctca	ggttcacagg	ttaaggctac	agcatcctca	tcctccacgg	ggttggagtt	120
gttgctggtg	atgaagggtt	tgggtggctc	tgcatagact	gtgatcgtcg	tgactgtggt	180
cctattgagg	ccagtgtctg	agttatgggc	ttggcacgta	taggatccac	tattattcac	240
agtgatgttg	gggataaaga	gctcttgggt	ggattgctgg	aaagtcccat	tgacaaacca	300
agagtactgt	gcagggtgggt	tagaggctgc	gtggcaggag	aggttcagat	tttcccctga	360
tctgtaagat	gtgttttagag	gggaaatggg	gggggcatcc	gggccataga	ggacattcag	420
gatgactgaa	tcaactgcgcc	tggcactcac	tgggttctgg	gtttcacatt	tg	472

&lt;210&gt; 1051

&lt;211&gt; 249

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1051

ccaccaaccg	tggcatcacg	cgaatccggg	gcaccagcta	ccagagccct	cacggcatcc	60
ccatagacct	gctggaccgg	ctgcttatcg	tctccaccac	cccctacagc	gagaaagaca	120
cgaagcagat	cctccgcata	cgggtgcgagg	aagaagatgt	ggagatgagt	gaggacgcct	180
acacgggtgct	gacccgcata	gggctggaga	cgtcactgcg	ctacgccata	cagctcatca	240
cagacctgc						249

&lt;210&gt; 1052

&lt;211&gt; 289

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1052

ccaggaccac	aaccccacgc	tgtagctggt	agcgcagggc	aatcaggggct	ggggttcgct	60
tgtgcttttt	tgccaaggca	caaaggactg	ggtcctccaa	gagcaccggg	gagttcgggt	120
ccacccatcg	tttgtctcgt	tgagatccca	gagcaactata	ggcaaccaga	acaatatctt	180
tcgacttgca	gaaatctagc	aattttactcc	ggttgaaata	cggatgacat	tctacctggt	240
tgcagacagg	cttgtacttg	agtcctggct	tgttgaggat	catctccag		289

&lt;210&gt; 1053

&lt;211&gt; 199

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1053

ccacgactgc	atgcccgcgc	ccgccagggtg	atacctccgc	cggtgaccca	ggggctctgc	60
gacacaagga	gtctgcatgt	ctaagtgcta	gacatgctca	gctttgtgga	tacgcggact	120
ttgttgctgc	ttgcagtaac	cttatgccta	gcaacatgcc	aatctttaca	agaggaaacc	180
gtaagaaagg	gccagccg					199

&lt;210&gt; 1054

&lt;211&gt; 224

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1054

tgcacctgt	gaagcaggag	acagatgctg	catttttcaact	gttgtttgto	ctctgttttt	60
gtagcatccc	cggaacttc	cccatcagcc	aggggcttgt	ccccaccacc	cttcacctgg	120
ctttccagtt	ggctgagacg	ctgcttcata	ttcatctggg	tggcgttgta	ctcagccagg	180

aggcgtgcaa acctggctctg cagggcgctcc agggaggacc ccag

224

<210> 1055

<211> 390

<212> DNA

<213> Homo sapien

<400> 1055

cctcttatta	gggctctggt	agcggcgggcg	gcggaacctt	ggggtctgga	cgcaacggcg	60
gcgggagcat	gaacgcccct	ccagccttcg	agtcgttctt	gctcttcgag	ggcgagaaga	120
agatcaccat	taacaaggac	accaaggtac	ccaatgcctg	tttattcacc	atcaacaaag	180
aagaccacac	actgggaaac	atcattaaat	cacaactcct	aaaagacccg	caagtgtctat	240
ttgctggcta	caaagtcccc	caccccttgg	agcacaagat	catcatccga	gtgcagacca	300
cgccggacta	cagccccag	gaagcctttg	ccaacgccat	caccgacctc	atcagtgagc	360
tgtccctgct	ggaggagcgc	tttcgggtgg				390

<210> 1056

<211> 450

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(450)

<223> n = A,T,C or G

<400> 1056

ccagcatcac	ctttttggtcc	nnacactcca	gggctgccag	gagcaccagt	gttaccgcga	60
ggacctgggg	gcccatecct	gcctggagaa	ccgctgggac	ctgggggtcc	tgggttacca	120
ttactaccag	gaggaccagg	aagaccacga	gcaccaggga	agccagcagc	accaggtcca	180
ccaggactgc	cacgttcacc	tttgacacct	tggggaccag	gaggaccagn	angtccagaa	240
cctccagggg	gtcctgcaac	tccaggaggg	cctccttcac	ctttctcacc	cggagcccct	300
ctttctcctt	taccaccagg	ttcaccattc	tgtccaggag	caccagggaa	accagcaggt	360
cctggagggg	cagtttnacc	tctctcacca	nggctaccac	gaggtccagc	tatacctgga	420
agtccggggg	caccaccttc	acccttacct				450

<210> 1057

<211> 337

<212> DNA

<213> Homo sapien

<400> 1057

tgagcgggcg	cccggcaggt	cctcgcctgg	agggcccccg	gcagcacagg	gaggacgagc	60
ttgtccagca	gagggctctg	cagaggggtcc	cgagagaggt	tgggcagggg	gtctgacatc	120
cctggctcct	gctctggctc	tggtgcccgg	gatttgaca	ggcccagggt	catacagatg	180
ccgtttgagt	caatctgggt	ctggaagtag	tcgatgacca	gggggaagta	gtcgtcaagc	240
acttggttgc	actggggcat	gagcagcttc	aaggggagga	cgttgcactc	ctgctccagg	300
aacttcctca	tcgtgtcctg	gaaaatggcc	tccttgg			337

<210> 1058

<211> 237

<212> DNA

<213> Homo sapien

<400> 1058  
 ctggggactg ggaatgctag catatggtat ctcaagttgg ctctcagaac taaacgggga 60  
 taagggccta gaatggaaga gggaaccagc cagaccctca gtcccttctg tccctggactg 120  
 ggagccacag atgtccctgt gatctgtcac tgccttgatc tgggtcttca gccattaaag 180  
 ctcaagtgtca tcttcagtca ccaacggggg tcttggtgtc cttccaaacc cctttgg 237

<210> 1059  
 <211> 210  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(210)  
 <223> n = A,T,C or G

<400> 1059  
 agcccatccc cccggtccc tccatgtctg ccttgctgcc tctgtccccg ggtttcagag 60  
 acaacttccc aaagcacaaa gcagtttttc cccctagggg tgggaggaag caaaagactc 120  
 tgtacctact ttgtatgtgt ataataattt gagatgtttt taattattnn gattgctgga 180  
 ataaagcatg tggaaatgac ccaaaaaaaaa 210

<210> 1060  
 <211> 564  
 <212> DNA  
 <213> Homo sapien

<400> 1060  
 ctggccacag agcccagcaa gtccttctctg ggagagaaga gttagggctg atactgaag 60  
 tctctttcac atctgggcac acgtctgcct tcaggctgta agaatttcat ttgtcgattg 120  
 ttaaataaaa ccaggagaaa gcaatgcagg tctctgggaa tctcatccct tccataagga 180  
 aaatgctctg ccaattcaag ttctattcag tcaggaagac agaaggattt aaggcttcgg 240  
 tgacaattat aatcctctga gaaattattt ccccttaaag tcaagataag ataatagtgt 300  
 ttactgtact ttctcttgac tcttgaaatc cctgggtattg ggtgtaggca acttgcacct 360  
 gcaatgaagt ccgcaggaga ggaaggtctc tcctcccccg aaagctatcc caggtcacat 420  
 gogtggcgaa tgcccactga acctcggtc tcatggaagc aggaaagaca ccgagattca 480  
 agccttctag taggttgagg acgctgtgct catggcatct tcggagattt tgggtactggc 540  
 aggggtggat gcttgcaaaa tact 564

<210> 1061  
 <211> 267  
 <212> DNA  
 <213> Homo sapien

<400> 1061  
 cctatggagg tgcctatgat gtcattgagct ctaagcacct ttgtgggtgat accaactatg 60  
 cctggccccac cgcagagatt gcggtcatgg gagcaaaggc cgctgtggag atcatcttca 120  
 aagggcata gaatgtggaa gctgctcagg cagagtacat cgagaagttt gccaacctt 180  
 tccctgcagc agtgcgaggg tttgtggatg acatcatcca accttcttcc acacgtgcc 240  
 gaatctgctg tgacctggat gtcttgg 267

<210> 1062  
 <211> 603  
 <212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(603)

<223> n = A,T,C or G

<400> 1062

ctggtcatct	tgtcatgtga	agaccatcct	cctacagagt	ctaggctggc	cgtcgttgaa	60
gtcctcacca	gtactacacc	acttttcctc	accaaccccc	atcctattct	tgagttgcag	120
gatacacttg	ctctctggaa	gtgtgtcctt	acccttctgc	agagtgagga	gcaagctgtt	180
agagatgcag	ccacggaaac	cgtgacaact	gccatgtcac	aagaaaatac	ctgccagtca	240
acagagtttg	ccttctgcca	ggtggatgcc	tccatcgctc	tggccctggc	cctggccgtc	300
ctgtgtgatc	tgctccagca	gtgggaccag	ttggcccctg	gactgcccac	cctgctggga	360
tggctgttgg	gagagagtga	tgacctcgctg	gcctgtgtgg	agagcatgca	tcaggtggaa	420
gaagactacc	tgtttgaaaa	agcagaagtc	aacttttggg	ccgagaccct	gatctttgtg	480
aaatacctct	gcaagcacct	cttctgtctc	ctctcaaaag	tccggctggc	gtncccaag	540
ccctgagatg	ctctgtcacc	ttcaaaggat	ggtgtcagag	cagtgccacc	tnctgtctca	600
gtt						603

<210> 1063

<211> 222

<212> DNA

<213> Homo sapien

<400> 1063

ccatcggtga	tactgagat	gcagtggcgg	tccccgtagc	tggcccgtgg	catgccaccc	60
tgggaagatg	tgaagggcaa	cccctgccta	gtggtcagcc	ggaggattct	ggtaatcgct	120
ttgcaaggaa	agggaccgta	aggcacgagg	ctgcggaggg	gctctggttg	ctgggcttcg	180
ctggacacgg	gccactggca	gtagctgccg	tcagagtgc	ag		222

<210> 1064

<211> 72

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(72)

<223> n = A,T,C or G

<400> 1064

gatgatcaat	atnnactgga	acacatgcat	gcttttggaa	tgtataatta	cctgcactgt	60
gattcatggg	at					72

<210> 1065

<211> 251

<212> DNA

<213> Homo sapien

<400> 1065

gtggcgtga	tggatagcga	caccacaggc	aagctgggct	ttgaggaatt	caagtacttg	60
tggacaaca	tcaaaagggtg	gcaggccata	tacaaacagt	tcgacactga	ccgatcaggg	120
accatttgca	gtagtgaact	cccagggtgcc	tttgaggcag	cagggttcca	cctgaatgag	180





g

301

<210> 1074  
 <211> 132  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(132)  
 <223> n = A,T,C or G

<400> 1074  
 caagcttttt tttttttttt tttttttttt ttcgctcaaa nactttnttt tattantaca 60  
 tgggctggn tttgatggnaa gggacaaatg tanttggcaa ccatgggttag catcggatgc 120  
 ccatcccaat gg 132

<210> 1075  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 1075  
 ctgtagttga ctgaagtcgc taaacaggac ggattttaagt agaggtgata tgtccagtca 60  
 ccggcataga gacgtcctct gcgtcaccat ccacacacag ggcttctggt agacatcagg 120  
 caaagctctc catgtttaata ttcactctgaa tatggataat taggggtggct agcaaaacta 180  
 tcaactgttaa aatagtggag atttctgtct aggccatcta tggctttcat gtcctctgca 240  
 gtcaactgga actcaaaaac ctgcacgttc tgtctgatgc gctgctcatt gtagctcttg 300  
 g 301

<210> 1076  
 <211> 436  
 <212> DNA  
 <213> Homo sapien

<400> 1076  
 ctgctgggat gaatgccaa gttttcagcc ataaggtagc gaaatctagc agaatccaga 60  
 ttacatccac ttccaatcac gcggtgtttg ggtaatccac ctagtttcca ggtaacatac 120  
 gtaagaatgt ccactgggtt ggaaaccaca attatgatgc aatcaggact gtacttgacg 180  
 atctgaggaa taatgaattt gaagacatta acatttctct gcaccagatt gagccgactc 240  
 tccccttctt gctgacggac tcctgcagtt actactacaa tcttagaatt ggcggtcaca 300  
 gaataatctt tatctgccac aatttttaggt gtctgaagaa ataagctccc atgctgcaga 360  
 tccatcattt ctcttttaag cttatcttcc aaaacatcca caagagcaag ttcacagcc 420  
 agagactttc ccagaa 436

<210> 1077  
 <211> 256  
 <212> DNA  
 <213> Homo sapien

<400> 1077  
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 agcttggttc tctctttctg gcactactga cattcccacc attctagctt ccgaattctg 120  
 gaaaaagaga agatgattaa caaaaataga gaatgtagaa acttctggtt ttgtgcctac 180

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<400> 1081
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gac                                          123

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[illegible]

<400> 1087						
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gagcgtctt	cccagcccac	catccccatc	gtgggcatca	ttgctggcct	ggttctcttt	180
ggagctgtga	tcgctgggagc	tgtggctcgct	gctgtgatgt	ggaggaggaa	gagctcagat	240
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<400>	1088						
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gtgcatggca	accgcctgcc	ttcacgtcgc	tccacttggt	aaccccaagg	tctgggctgt		240
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<220>
<221> misc_feature
<222> (1)...(51)
<223> n = A,T,C or G
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<210> 1090

<211> 515  
 <212> DNA  
 <213> Homo sapien

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 tctttctgga ctggcggtca cctccctgct cagtgccttg gctccacggg caggggtcag 120  
 agcactccct aatttatgtg ctatataaat acgtcagatg tacatagaga tctatttttt 180  
 ctaaaacatt cccctcccca ctctctctcc acagagtgtt ggactgttcc aggccctcca 240  
 gtgggctgat gctgggaccc ttaggatggg gctcccagct cttttctcct gtgaatggag 300  
 gcagagacct ccaataaagt gccttctggg ctttttctaa cttttgtcct agctacctgt 360  
 gtactgaaat ttgggccttt ggatcgaata tggcgaagag gttggagggg aggaaaatga 420  
 aggtctacca ggctgagggt gagggcaaag gctgacgaag agggaaagtt acagatttcc 480  
 tgtagcaggt gtgggcttac agacacatgg actgg 515

<210> 1091  
 <211> 277  
 <212> DNA  
 <213> Homo sapien

<400> 1091  
 ggcgtcccgga gccacagggt gtcattggctg ccagagcgct ctgcatgctg gggctggctc 60  
 tggccttgct gtctctcagc tctgctgagg agtacgtggg cctgtctgca aaccagtgtg 120  
 ccgtgccagc caaggacagg gtggactgct gctaccccca tgtcaccccc aaggagtgc 180  
 acaaccgggg ctgctgcttt gactccagga tccctggagt gccttgggtg ttcaagcccc 240  
 tgcaggaagc agaatgcacc ttctgaggca cctccag 277

<210> 1092  
 <211> 368  
 <212> DNA  
 <213> Homo sapien

<400> 1092  
 cctggggcccg ctgacttcag ggtgaggcca cagctactgc agcgcttttt atttatttat 60  
 ttatttactg agatggagtc ttgctctgtc acccaggctg gagtgcagtg gtgcaatctc 120  
 ggctcactgc aacctctgcc tcttgggctg cagtgtattct cctgcgttca agtaattctc 180  
 ctgcctcggc cttctgagta gttgggatta caggcatatg ccaccacact tggctaattt 240  
 tttgtatttt tagtagaaat ggggtttcac catgttggcg aggtcgtgtc cgaactcctg 300  
 aactcaagga tctctctgcc tcggcctcct aaggtgctgg gattgcaggt gtgagccacc 360  
 acgtctgg 368

<210> 1093  
 <211> 459  
 <212> DNA  
 <213> Homo sapien

<400> 1093  
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 ctttgttgcc ccacacagcc tctgtctgca ggtgctttgg aaagagatgc tgcccttgag 120  
 ctggtgaatc tgtggaccac attcaagggt gtggcacagg catcttccca tctttttcac 180  
 tccgaatcgc tggcgacaca ttctcctttc cagctaggaa agggttcctc gcggctgggt 240  
 tagattgtgg ttgtttgttt tgcttctact aagactgttt tgtttcaaaa aggaaacaag 300  
 ttttgtgttt gctgtctacg ctggagtcct gaactgtggg tagaaaacac gacctggctt 360  
 tgtagaaagg acacagggct gttttatgaa ctaagcgggt aggtcaggt ggcggctctc 420

acagagcccc tgatgctggt gttctttgag ggcttaagg

459

<210> 1094  
 <211> 610  
 <212> DNA  
 <213> Homo sapien  
 <220>  
 <221> misc\_feature  
 <222> (1)...(610)  
 <223> n = A,T,C or G

<400> 1094  
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 caaacttctt ggtatgggag acattgaagg actgatagat aaagtcaacg agttgaagtt 180  
 ggatgacaat gaagcactta tagagaagtt gaaacatggc cagtttacgt tgcgagacat 240  
 gtatgagcaa tttcaaaata tcatgaaaat gggccccttc agtcagatct tggggatgat 300  
 ccctggtttt gggacagatt ttatgagcaa aggaaatgaa caggagtcaa tggcaaggct 360  
 aaagaaatta atgacaataa tggatagtat gaatgatcaa gaactagaca gtacggatgg 420  
 tgccaaagtt tttagtaaac aaccaggaag aatccaaaga gtagcaagag gatcgggtgt 480  
 atcaacaaga gatgttcgag aacttttgac acaatatacc aagtttgac agatggtaaa 540  
 aaagatggga ggtatcaaag gacttttcaa aggtgggcga catgtctaan aatgtgagcc 600  
 agtcacagat 610

<210> 1095  
 <211> 232  
 <212> DNA  
 <213> Homo sapien

<400> 1095  
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 attactcggg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120  
 atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180  
 atatggactc tagaatagga ttgcgctggt atccctaggg taacttggtc cg 232

<210> 1096  
 <211> 377  
 <212> DNA  
 <213> Homo sapien

<400> 1096  
 ccacgctcat ggaaaccacc caaggacagc cagagtccac attccctggc aagctgggtg 60  
 tattcttcca aaagtttccc acccagtggc tcagacaggt gtagcgtctc tgcaggggtc 120  
 cgtgcaatga agtcaaattgc ctcaggcagg aaagccaggc aggcacccag tctggcagcc 180  
 tctcgaacca gccagcaca tgttttaaaag ttctgttgct tgtctggcgt cgatgttacc 240  
 tggcacacag ccaccagggg cagttcgag gaggaagagg agatagccat ggctctgggc 300  
 ctgggctgag cacaaggtac tgagagttga ggtatccgga gtccaggaca cagaagggac 360  
 aggaatctgt gaggagg 377

<210> 1097  
 <211> 311  
 <212> DNA  
 <213> Homo sapien

<400> 1097  
ccacgccatg gggctggagc actcccaaga ccctggggcc ctgatggcac ccatttacac 60  
ctacaccaag aacttcgctc tgtcccagga tgacatcaag ggcattcagg agctctatgg 120  
ggcctctcct gacattgacc ttggcaccgg cccaccccc acactgggcc ctgtcaactcc 180  
tgagatctgc aaacaggaca ttgtatttga tggcatcgct cagatccgtg gtgagatctt 240  
cttcttcaag gaccggttca tttggcggac tgtgacgcca cgtgacaagc ccatggggcc 300  
cctgctggtg g 311

<210> 1098  
<211> 404  
<212> DNA  
<213> Homo sapien

<400> 1098  
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aaaccttttc acattctttc tgtgatccaa atttgttttc gtttccacca caacctccat 120  
accagaatct tgcaacagctt ttggtgtttg gatcatagta ccattttaat atgaaatccc 180  
tgcaagttcc ttogtctttc ggcaacttgc atatatctgt ttcaagtgaga gccaatggtt 240  
ctgtgctcac cattagattg atggttgaac tagaagctga ctttgcctggc tgtggaggtg 300  
ggggctgaga tttcttttga ctgaaacttc cgtggtaggt ggctctgacc tgagacctca 360  
ggtagcagac cacagccaca tggtagtctt gccacgcgag cagg 404

<210> 1099  
<211> 442  
<212> DNA  
<213> Homo sapien

<400> 1099  
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caaggaccag gccaaagggg cagggcctcc tttggagggg ttgaggggta catcctcggc 120  
tggtgtttgc atccaggggt ccagcaggat ctcttccagt gagggtcggg aagaaggttt 180  
gggggccagg caccggcgga ttagggcaca gcagtctggg gagacatggg ctgggaagtg 240  
gagctcagct tccagaatct cctggctcct ctcaaaggga atgtccccac acaccatgtc 300  
atagaggagg atgcccagtg accagacagt ggccgggagt gcatgggtact ggtgtcgaga 360  
gatccactct ggggggctgt acacccttgt cccatcaaag tcagtgtagg gttcatcatg 420  
aagcagggca ccaggaacca aa 442

<210> 1100  
<211> 191  
<212> DNA  
<213> Homo sapien

<400> 1100  
ccacgaaaat caatgagaag ccacaggtga tcgcggacta tgagagcgga cgggccatac 60  
ccaataacca ggtgcttggc aaaatcgagc gggccattgg cctcaagctc cggggaaagg 120  
acattggaaa gcccatogag aaggggccta gggcgaaatg aacacaaagc ctcgaaatca 180  
gtgcgctcca g 191

<210> 1101  
<211> 178  
<212> DNA  
<213> Homo sapien



<211> 551  
 <212> DNA  
 <213> Homo sapien

<400> 1105  
 ctggggccac tgtcggcatc atgattggag tgctgggttg ggttgctctg atatagcagc 60  
 cctggtgtag tttcttcatt tcaggaagac tgacagttgt ttgcttctt ccttaaagca 120  
 tttgcaacag ctacagtcta aaattgcttc ttaccaagg atatttacgg aaaagactct 180  
 gaccagagat cgagaccatc ctagccaaca tcgtgaaacc ccatctctac taaaaataca 240  
 gaaattagct ggacatggtg gcatgtgcct gtaatcccag ctactcagga ggctgaggca 300  
 ggagaactgc ttgaacaggg acccgggagg cggagatttg agtgagccga gatcgcgccca 360  
 ctgcactcca gtctgggcta cacagtgaga ctctgtctca agaaaaataa acagaagaat 420  
 tgggggttg gggtgggaaa cagtgtttcc aggcagagag aacagcacgt acaaaggaga 480  
 ctgttgggag gggtaaatga aataattcat gtaaggtact tagtaccaca catgaatttc 540  
 acaagcagca g 551

<210> 1106  
 <211> 280  
 <212> DNA  
 <213> Homo sapien

<400> 1106  
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 aagcactgga ttgccaacaa cctttttggc ctggccttct cccttaatgg agtagggctc 180  
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 gtcttctggg tatttggcac caatgtgatg gtgacagtgg 280

<210> 1107  
 <211> 570  
 <212> DNA  
 <213> Homo sapien

<400> 1107  
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 ctggaggata gcagagaagc ctgtctgtac ttcattcaaa aagccaaaat agagagtata 120  
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 ttgacatcca gcagtccaag gtattgagac atattactgg aagtaagaaa tattactata 240  
 attgagaact acagctttta agattgtact tttatcttaa aagggtggta gttttcccta 300  
 aaatacttat tatgtaaggg tcattagaca aatgtcttga agtagacatg gaatttatga 360  
 atggttcttt atcatttctc ttcccccttt ttggcatcct ggcttgccct cagttttagg 420  
 tccttttagtt tgcttctgta agcaacggga acacctgtg agggggctct ttccctcatg 480  
 tatacttcaa gtaagatcaa gaatcttttg tgaaattata gaaatttact atgtaaatgc 540  
 ttgatggaat tttttcctgc tagtgtagct 570

<210> 1108  
 <211> 386  
 <212> DNA  
 <213> Homo sapien

<400> 1108  
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 ttacatcaaa taagcccaca gacaaactcc gtgccctgcc tctgtgggta tctttacaat 120  
 acttgggact tgatgggttt gtggagagga tcaagcatgc ctgtcaactg agtcaacggt 180

tgcaggaaag	tttgaagaaa	gtgaattaca	tcaaaatctt	ggtggaagat	gagctcagct	240
ccccagtgg	ggtgttcaga	tttttccagg	aattaccagg	ctcagatccg	gtgttttaaag	300
ccgtcccagt	gccaacatg	acacottcag	gagtcggccg	ggagaggcac	tcgtgtgacg	360
cgctgaatcg	ctggctggga	gaacag				386

&lt;210&gt; 1109

&lt;211&gt; 409

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1109

ctctggtctg	taaccagtct	cttcaaggca	ttatctcctg	gggccaggat	ccgtgtgcga	60
tcacccgaaa	gcctggtgtc	tacacgaaag	tctgcaaata	tgtggactgg	atccaggaga	120
cgatgaagaa	caattagact	ggacccaccc	accacagccc	atcacctcc	atttccactt	180
ggtgtttggt	tcctgttcac	tctgttaata	agaaacccta	agccaagacc	ctctacgaac	240
attctttggg	cctcctggac	tacaggagat	gctgtcactt	aataatcaac	ctgggggttcg	300
aaatcagtg	gacctggatt	caaattctgc	cttgaaatat	tgtgactctg	ggaatgacaa	360
cacctggttt	gttctctgtt	gtatccccag	ccccaaagac	agctcctgg		409

&lt;210&gt; 1110

&lt;211&gt; 215

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1110

ccatttttga	gtgtgtccat	tgggtagcaa	tgtggaaacc	accagggcct	ttgtggagaa	60
aatggagggg	gttgaggag	tcccaggagg	ggcttatttg	agggcctttg	ccacttgctc	120
ataggcgagc	tcgatctcct	catcatcttg	acaggtgga	gcgaattctt	cccgggcgta	180
ggcattgctc	aagtaccgat	gcactccccg	gaagg			215

&lt;210&gt; 1111

&lt;211&gt; 308

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1111

cctgggcccc	ctgacttcag	ggtgaggcca	cagctactgc	agcgcttttt	atttatttat	60
ttatttactg	agatggagtc	ttgctctgtc	acccaggctg	gagtgcagtg	gtgcaatctc	120
ggctcactgc	aacctctgcc	tcctgggctg	cagtgattct	cctgcgttca	agtaattctc	180
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tttgtatttt	tagtagaaat	ggggtttcac	catgttggcg	aggetggtct	cgaactcctg	300
acctcaag						308

&lt;210&gt; 1112

&lt;211&gt; 177

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1112

ccactggctc	cctgggcccag	ggcctcgggg	ccgcttgtgg	gatggcctac	accggcaaat	60
acttcgacaa	ggccagctac	cgagtctatt	gcttgctggg	agacggggag	ctgtcagagg	120
gctctgtatg	ggaggccatg	gccttcgcca	gcactctata	gctggacaac	cttgtgg	177

&lt;210&gt; 1113



<211> 646  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(646)  
 <223> n = A,T,C or G

<400> 1113  
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 gtcccaggtc accctgaagg agtctgggtcc tgtactggtg aaaccacag agaccctcac 120  
 gctgacctgc accgtctctg ggttttcact cagtaatat agagtgggtg tgagttggat 180  
 ccgtcagccc ccagggaagg ccctggagtg gtttgcatc attttttcga ctgacgaaaa 240  
 atccttcaat tcatctctga agaacaggt caccatctcc aaggacacct ctaaaagcca 300  
 ggtggtcctt agcatgacca acatggaccc tgtggacaca gccacatatt actgtgcacg 360  
 gctctctatt tacttcgggg agttagaaac ctaccaatac atggacgtct ggggcaaagg 420  
 gaccaccgcc accgtctcct cagcatcccc gaccagcccc aagggtcttc cgctgagcct 480  
 ctgcagcacc cagccagatg ggaacgtggt catcgctgc ctggtccang gcttcttccc 540  
 ccaggagcca ctcatgtgta cctggagcga aagcggacan ggcgtgaccg ccagaaactt 600  
 cccacccag ccaggatgcc tncggggacc tgtacaccac gagcag 646

<210> 1114  
 <211> 420  
 <212> DNA  
 <213> Homo sapien

<400> 1114  
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 acagagtgtt cgctcgcgct ggagaaggct ctgctcagcc ctgagagtcc ctctctgccc 120  
 caccgatact ggcactttaa aaaggaagct gaccgcacag tgtccagacg aattggcccc 180  
 cagaagatgg ggagttctgt cctgcccttc tgtgtctgcg tgacctcacc cagcctagga 240  
 gggaggtgca ttcagggtag atttgcctct cattcaaagt tctggggctt tgggtggaaa 300  
 acagccagct ttggcgctgt tggggagact cctccagacc aggaacccca gaaggagaca 360  
 gagcctgcc aatcctccca cgccaggccc tgggccaggg tgattggact gagaatttgg 420

<210> 1115  
 <211> 416  
 <212> DNA  
 <213> Homo sapien

<400> 1115  
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 tacactcagg gagcatgagt tgccatattg ggtgagaaaa tcccatgtta cagtgcgac 120  
 gctgggcacg ttttgagta attccagcca ctgctatgta agtgttttta attcaggggt 180  
 gtcttctacg ttttcatctt ctgaatatct tgtgacggtg caggtttgag caaaactggc 240  
 atgaaatgag agctgtttta gatgaagatt gcaagatgga tggcttggcc cacagtggca 300  
 gtgggttggg ggtggaatgt ggacaattag gaaaaaggca tgtcattcta tctggctcct 360  
 ggagaggcag atagtctgtg gggcttttgt gtcacagttc ccaaaagcaa ggttgg 416

<210> 1116  
 <211> 382  
 <212> DNA  
 <213> Homo sapien

<400> 1116  
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 attactccgg tctgaactca gatacagtag gactttaatc gttgaacaaa cgaaccttta 120  
 atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180  
 atatggactc tagaatagga ttgcgctgtt atccctaggg taacttggtc cgttgggtcaa 240  
 gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300  
 ctcgagggtt gggttctgct ccgaggtcgc cccaaccgaa aatttttaat gcaggcttgg 360  
 tagtttagga cctgtgggtt tg 382

<210> 1117  
 <211> 370  
 <212> DNA  
 <213> Homo sapien

<400> 1117  
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 tcagattgaa agagcttaga ataagaccct ttttgagttg agaaagggtga gtacttagat 120  
 ttttcatttg ctttgttttg gattacttac atcagtattt tatgttgatc agaaagaaag 180  
 gattcaatta gctattgttc ggttaataaa aatgtcagcc actgtaggag taagttggat 240  
 gtccagcctt ttttagattgc ttaacttgga aacactggac tgggagcggg ggctcatgcc 300  
 tgtgatccca gcaactctggg aggccaaggc aggcagatca ctggaggtca ggagtttgag 360  
 accaacctgg 370

<210> 1118  
 <211> 494  
 <212> DNA  
 <213> Homo sapien

<400> 1118  
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 caagacgaga agaccctatg gagctttaat ttattaatgc aaacagtacc tgacaaaccc 120  
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 attgatccaa taacttgacc aacggaacaa gttaccctag ggataacagc gcaatcctat 300  
 tctagagtcc atatcaacaa tagggtttac gacctcgatg ttggatcagg acatcccgat 360  
 ggtgcagccg ctattaaagg ttcgtttgtt caacgattaa agtcctacgt gatctgagtt 420  
 cagaccggag taatccaggt cggtttctat ctacttcaaa ttcctccctg tacgaaagga 480  
 caagagaaat aagg 494

<210> 1119  
 <211> 407  
 <212> DNA  
 <213> Homo sapien

<400> 1119  
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 tccgggcctc cctccaagga gattctgacc ctgaagcagg tccaggagtt cctgaaggat 120  
 ggagacgatg tcatcatcat cggggctctt aagggggaga gtgaccagc ctaccagcaa 180  
 taccaggatg ccgctaacaa cctgagagaa gattacaaat ttcaccacac tttcagcaca 240  
 gaaatagcaa agttcttgaa agtctcccag gggcagtcgg ttgtaatgca gcctgagaaa 300  
 ttccagtcca agtatgagcc ccggagccac atgatggacg tccagggtc caccaggac 360  
 tcggccatca aggacttctg gctgaagtac gccctgcccc tggttgg 407

<210>	1123
<211>	454
<212>	DNA

<213> Homo sapien

<400> 1123

ccaattgaaa	caaacagttc	tgagaccggt	cttcactac	tgattaagag	tgggggtggca	60
ggtattaggg	ataatattca	tttagccttc	tgagctttct	gggcagactt	ggtgaccttg	120
ccagctccag	cagccttctt	gtccactgct	ttgatgacac	ccaccgcaac	tgtctgtctc	180
atatcacgaa	cagcaaagcg	acccaaaggt	ggatagtctg	agaagctctc	aacacacatg	240
ggcttgccag	gaaccatata	aacaatggca	gcacaccag	acttcaagaa	tttagggcca	300
tcttccagct	ttttaccaga	acggcgatca	atcttttcct	tcagctcagc	aaacttgcac	360
gcaatgtgag	ccgtgtggca	atccaatata	ggggcatagc	cggcgcttat	ttggcctgga	420
tggttcagga	taatcacctg	agcagtgaag	ccag			454

<210> 1124

<211> 219

<212> DNA

<213> Homo sapien

<400> 1124

cctgctccag	agcacggctg	accatctctg	ctccgggatc	tcagctcccg	ttccccaagc	60
acactcctag	ctgctccagt	ctcagcctgg	gcagcttccc	cctgcctttt	gcacgtttgc	120
atccccagca	tttctgagt	tataaggcca	caggagtggg	tagctgtttt	cacctaaagg	180
aaaagcccac	ccgaatcttg	tagaaatatt	caaactaat			219

<210> 1125

<211> 246

<212> DNA

<213> Homo sapien

<400> 1125

ccagagctgg	gcccagctg	cgctggaatc	gcagcaggag	aggggagtgg	gctggttctt	60
cccaccactt	cccaggctct	gacagccgag	actcatttcc	aaggcacagc	agctttctaa	120
agggactgag	tttgactgg	gttttgacc	tccaggggct	ggagcttcat	cacctgggca	180
gtgtcttttc	tcagagagca	ggtttcttta	tagtttgga	ataaatgggt	cacggttcaa	240
aagaaa						246

<210> 1126

<211> 227

<212> DNA

<213> Homo sapien

<400> 1126

ccattgttcc	cgtgcatoga	agcttgcagg	cagcttcagg	tcctcggtaa	acataactct	60
ctgggggtgg	ttgggcccac	ccaggaaggt	accacatagc	ctcttcaagt	agctcatgtc	120
cacgttgtag	aagttgtggc	cggcctgcca	cgtggatttc	cgtttggtga	catagttgac	180
cagctcatcc	gacaggggat	ggaaagaggg	cctgctccgg	gcattgg		227

<210> 1127

<211> 377

<212> DNA

<213> Homo sapien

<400> 1127

cctgccgtcg	atgccaggga	ggccgacagg	accttctttt	ccagcggggc	cgatatttcc	60
agggaacca	ggaagacctc	tgggtcccat	gagaccaggc	tcccaggggc	gaccagcatc	120



tctaattgtgc ttctagtagg cacagggctc ccaggccagg ac

402

<210> 1132

<211> 304

<212> DNA

<213> Homo sapien

<400> 1132

ccaccccgga	gatgacacga	ggctcacatg	actctagaca	cttgggtggaa	agtgaggcga	60
gaaaaacaat	gacttggggc	aattacacga	ctgcaaagct	agagctgcca	acagggctcc	120
agggagcttg	gcttctgtag	aagttctaag	gaagcggtag	gaactccacg	gcggtggggc	180
gctaactagc	agggaccctt	gcaagtgttg	gtcggggggc	tcgagctgcc	tgagctgaca	240
cgaggggagg	ggtctgtgta	gccaacaggt	gaccgaagg	cttgcctgcc	cacagcttac	300
ttgg						304

<210> 1133

<211> 224

<212> DNA

<213> Homo sapien

<400> 1133

ctgacatttt	ctatagtaga	tatggaggag	gtccaagact	aactgtgaaa	gccctgtgta	60
aggaatgtgt	agtagaacgt	tgctgcata	tgctgtgaa	gaaccaacta	aatgaagatt	120
ataaaactgt	taataatctg	ctgaaagcag	cagtaaagg	cagcgatgga	ttttgggtgg	180
ggaagtcctc	cttgcggagt	tggcgccagc	tagctcttga	acag		224

<210> 1134

<211> 250

<212> DNA

<213> Homo sapien

<400> 1134

cctactctgc	tgagggtggc	cttctgcta	agggcccttc	tctgcccttt	ctgccctcct	60
tcccatccca	catgctgagc	cgccacaaag	accaaagaag	tgatggcttt	tctctgtccc	120
ctgctgctct	gaggggagag	gggtgggtct	cctgagccac	tcagatggga	aagtcctta	180
ctcgccccct	ccctccccag	cagcccccaag	ctttacactg	gatgcagcga	tcaaccacc	240
actcaccagg						250

<210> 1135

<211> 315

<212> DNA

<213> Homo sapien

<400> 1135

ccaatgggct	ttgctgtagc	ttgctgaaat	caccaagcag	gagagattta	accagaggcg	60
atgtgtccag	tcaccagcat	agagccatcc	tctgtgtcac	catccacacg	cagggccttc	120
tggtagacct	catgcaatgc	cctccatggt	aatattcatc	agaaaatgga	taattagggg	180
ggccagcaaa	aatatcaagg	gtcaaataac	gcacatttct	gtttaggcca	tctatggctt	240
tcattctctc	tgaagtcaac	tggaattcaa	acacctgcac	gttccgtctg	atgcgctgct	300
cattgtagct	cttgg					315

<210> 1136

<211> 377

<212> DNA

<213> Homo sapien

<400> 1136  
 cctgccgtcg atgccaggga ggccgacagg accttctttt ccagcggggc cgatatttcc 60  
 aggggaacca ggaagacctc tgggtcccat gagaccaggc tccccagggc gaccagcatc 120  
 tccattaggt cctcggactc cagcagggcc acttgcacca cgactaccag gagggcccat 180  
 gacgccagct ctgccatcag ctccaggaag accacgagaa ccaggactac ctctcagccc 240  
 aggaggtcct ggagggccgg cagatccagc ttccccatta gggcctctct ttccttcttc 300  
 accactggga ccaggaggac cttgggggcc agcagagccg ggctcaccct tgttaccgct 360  
 ctctcctttg gagccag 377

<210> 1137

<211> 250

<212> DNA

<213> Homo sapien

<400> 1137  
 ctgttcaact tccaactcta aataggcacc attaaacaaa aaaccccagt attttaaatt 60  
 tctccagcac acattccagg atcaatgctc tgaactgtaa tcagctagta attcataacg 120  
 ggaatacagc cttagaatgg aagctatatt gcttccctgc cccctttctc ttacaattgg 180  
 agagtgtagg tattaaggga taaaaagtca gaggaagaat aattaaaaag aaaaatgccc 240  
 aaagctgcag 250

<210> 1138

<211> 511

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(511)

<223> n = A,T,C or G

<400> 1138  
 toaccagggt cctcctgggc catctgggtc ccgagggtcag cctgggtgtca tgggcttccc 60  
 cggtcctaaa ggaaatgatg gtgctcctgg taagaatgga gaacgagggtg gccctggagg 120  
 acctggccct cagggtcctc ctggaaagaa tggtgaaact ggacctcagg gacccccagg 180  
 gcctactggg cctgggtggtg acaaaggaga cacaggaccc cctgggtccac aaggattaca 240  
 aggcttgctt ggtacagggtg gtcctccagg agaaaatgga aaacctgggg aaccagggtc 300  
 aaaggggtgat gccgggtgcac ctggagctcc aggaggcaag ggtgatgctg gtgcccctgg 360  
 tgaacgtgga cctcctggat tggcaggggc cccaggactt agagggtggag ctggtccccc 420  
 tgggtcccga ngaggaaagg gtgctgctgg tcctcctggg ccacctgggtg ctgctggtac 480  
 tcctggtctg caaggaatgc ctggagaaag a 511

<210> 1139

<211> 505

<212> DNA

<213> Homo sapien

<400> 1139  
 ctgtggactc cagcatgttt ctgataatta tgcaagcaac aattctgtag cctcaagtaa 60  
 gaccacctgt gaacttgatc attatctggc ccaaatatga agataaacta taactttgga 120  
 gtttgtttcc tatttgtatt cacattctgc ttcttaaate agttttctaa attgtgcctg 180  
 caattaggca ttggtcaggg gtgaatggct cttttcacag agagtagcca accagagacc 240

tttgctttga	tatcatcaac	tgcagagaat	gctgttgatg	ggaatgctgg	aagcagaaac	300
tttgtcatcg	gaaaaacttt	tcttgtatgc	atgagactca	acatcaggat	ccacagctta	360
aagatgggaa	ttcaggtatg	aaagaaaaca	ggcaaggagg	cactgaggga	gaaagacaca	420
gactttatcg	ctctgtggct	cattgttact	ggaatattct	aaaactcttg	ttcacatgct	480
attatgactt	ataaagcagc	aacag				505

<210> 1140  
 <211> 256  
 <212> DNA  
 <213> Homo sapien

<400> 1140						
ctgtagcttc	tgtgggactt	ccactgctcg	ggcgtcaggc	tcaggtagct	gctggccgcg	60
tacttgttgt	tgctctgttt	ggagggtttg	gtggtctcca	ctccgcctt	gacggggctg	120
ccatctgcct	tccaggccac	tgtcacagct	cccgggtaga	agtcactgat	cagacacact	180
agtgtggcct	tggtggcttg	gagctcctca	gaggagggcg	ggaacagagt	gacagtgggg	240
ttggccttgg	gctgac					256

<210> 1141  
 <211> 371  
 <212> DNA  
 <213> Homo sapien

<400> 1141						
ccagggcccc	attctgtctg	tgggaactgtg	ggttctcagt	ggaattgttg	cctttcttgt	60
cgtggagaaa	tttgtgagac	atgtgaaagg	aggacatggt	cacagtcatg	gacatggaca	120
cgctcacagt	catgcacgtg	gaagtcatgg	acatggaaga	caagagcgtt	ctaccaagga	180
gaagcagagc	tcagaggaag	aagaaaagga	aacaagaggg	gttcagaaga	ggcgaggagg	240
gagcacagta	cccaaagatg	ggccagtgag	acctcagaac	gctgaagaag	aaaaaagagg	300
cttagacctg	cgtgtgtcgg	ggtacctgaa	tctggctgct	gacttggcac	acaacttcac	360
tgatggtctg	g					371

<210> 1142  
 <211> 312  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(312)  
 <223> n = A,T,C or G

<400> 1142						
cctcccacac	tgtcaaatgt	caactccacc	agcactgaga	caatgagtag	atgagaatgt	60
agaaagaggg	aaggtggtag	gtaaaggagc	ggaaggaaga	ggtggggaaa	gaggaaggt	120
ggtaggtaaa	ggagcggaag	gaagaggtgg	ggaaagaggg	aaggagagaa	gggaaggagg	180
gaagagaaag	aaggaagaaa	aggaaagcat	ggcccggtca	gagacaaagc	cagaggtgat	240
caggtcagca	gcaggagagg	ctcagaaggg	agcctctcgg	gaagtgcagg	cngccatgag	300
ggctcgtttc	ag					312

<210> 1143  
 <211> 367  
 <212> DNA  
 <213> Homo sapien



<400> 1143  
ccagacgtgg tggctcacac ctgcaatccc agcaccttag gaggccgagg caggaggatc 60  
cttgagggtca ggagttcgag accagcctcg ccaacatggg gaaaccccat ttctactaaa 120  
atacaaaaaa ttagccaagt gtggtggcat atgcctgtaa tcccaactac tcagaaggcc 180  
gaggcaggag aattacttga acgcaggaga atcactgcag cccaggaggc agaggttgca 240  
gtgagccgag attgcaccac tgcactccag cctgggtgac tgagcaagac tccatctcag 300  
taaataaata aataaataaa aagcgctgca gtagctgtgg cctcaccctg aagtcagcgg 360  
gcccagg 367

<210> 1144  
<211> 159  
<212> DNA  
<213> Homo sapien

<400> 1144  
cctggaggag cggccgcaca cacagccagg cgttaggctc cctgcgggac ctcggaagg 60  
gggaagagcg tcaacgattt acggagggtc cagccgctgg gtcagattga gacaaacat 120  
tgtgtggttg ggttcgggtc agcaggctgg agagggttc 159

<210> 1145  
<211> 450  
<212> DNA  
<213> Homo sapien

<400> 1145  
ccatgggtgt ctggagcacc ctgaaactgt atcaaagtgt tacatatttc caaacatttt 60  
taaaatgaaa aggcactctc gtgttctcct cactctgtgc actttgctgt tgggtgaca 120  
aggcatttaa agatgtttct ggcattttct ttttatttgt aaggtggttg taactatggt 180  
tattggctag aaatcctgag ttttcaactg tatatatcta tagtttgtaa aaagaacaaa 240  
acaaccgaga caaaccttg atgctccttg ctggcggttg aggctgtggg gaagatgcct 300  
tttgggagag gctgtagctc agggcgtgca ctgtgaggct ggacctgttg actctgcagg 360  
gggcatccat ttagcttcag gttgtcttgt ttctgtatat agtgacatag cattctgctg 420  
ccatcttagc tgtggacaaa ggggggtcag 450

<210> 1146  
<211> 324  
<212> DNA  
<213> Homo sapien

<400> 1146  
ccatacaggg ctgttgccca ggccctagag gtcattcctc gtaccctgat ccagaactgt 60  
ggggccagca ccatccgtct acttacctcc cttcgggcca agcacacca ggagaactgt 120  
gagacctggg gtgtaaatgg tgagacgggt actttggttg acatgaagga actgggcata 180  
tgaggagccat tggctgtgaa gctgcagact tataagacag cagtggagac ggcagttctg 240  
ctactgcgaa ttgatgacat cgtttcaggc cacaaaaaga aaggcgatga ccagagccgg 300  
caaggcgggg ctctctgatgc tgga 324

<210> 1147  
<211> 191  
<212> DNA  
<213> Homo sapien

<400> 1147

```
<400> 1151
ctgcgtgagt accaggagct gatgaacgtc aagctggccc tggacatcga gatcgccacc      60
tacaggaagc tgctggaggg cgaggagagc cggctggagt ctgggatgca gaacatgagt    120
attcatacga agaccaccag cggctatgca ggtggtctga gctcggccta tggggggcctc    180
```

acaagcccg	gcctcagcta	cagcctgggc	tccagctttg	gctctggcgc	gggctccagc	240
tccttcagcc	gcaccagctc	ctccagggcc	gtggttgatga	agaagatcga	gacacgtgat	300
gggaagctgg	tgtctgagtc	ctctgaogtc	ctgcccgaat	gaacag		346

<210> 1152  
 <211> 427  
 <212> DNA  
 <213> Homo sapien

<400> 1152						
ctggactgct	gtacatcaag	gacagattaa	ctggaaaaca	tatgttcctt	atgcgtgac	60
gagagccatt	cagaaaagac	ttcctttgtg	ttcagcctat	acttttccat	atggtatacc	120
ttgaaaaaaa	ttagcacacc	atggttattt	ttctaccttt	tataaaaagac	agagcctggt	180
tactcattta	gaagatagag	aaaattgggc	taaaattgaa	catcctagat	tcacactccc	240
aagtcactta	aggtgatttg	atggtgagga	aaatgattga	cagagcccaa	caatgatctc	300
aggaattaca	ttttccaaca	gacccaaaaa	tgttttcatg	tagcagcaat	gcagatttgg	360
tgaatatatta	atatatatatt	tagtatgtat	ttcactttat	gactgacaat	taaaaaatat	420
tgtttgg						427

<210> 1153  
 <211> 331  
 <212> DNA  
 <213> Homo sapien

<400> 1153						
ctggccggcg	gtgcagatct	ggagtccagc	ctcagggatg	cgctactttc	cattctctgc	60
attgaacatt	cgttctgtca	gcatccgctc	cagcttcact	gcatcagcgg	caaacttgcg	120
gatcccgctc	gagagcttct	ccacagccat	ctggctctcg	ttgtgcaacc	aacggaaaga	180
cttctcatcc	aggtggattt	tttccaggct	actggcttgg	gctgggggac	aagaaccagc	240
cttccatgcc	tgctccatgt	ccctgcccac	cttggcccct	tgggctcagg	gcctgaaccg	300
ctgcacccaa	gcatctccca	ccagggccag	g			331

<210> 1154  
 <211> 403  
 <212> DNA  
 <213> Homo sapien

<400> 1154						
ctgaactttc	agatgaagtt	gactttctact	tgattgcagg	attcagggtt	tctcagatgt	60
taatacacag	tcaaaagcgg	tgataaaaac	cttgcaaattg	gcttggtgctt	gttccaggct	120
gttgcaactga	ttaaaccaca	ggctgtattc	ctcattgctt	gcatctgttg	tcttcagagc	180
cagtaagctt	tttcccgccc	ccagaccgtc	atcgtaacac	accatccgga	ttattaagta	240
gagagcatgc	ctgtgcaaaa	catcatattg	atctgatgtt	gatactttta	tgccatactt	300
ggaaaactccc	ataataaatt	cttccctccg	aggaacaaaa	ggcaactttc	catcttgctg	360
ggcaacgtct	atataattta	tcagggtctaa	tggcccttca	agg		403

<210> 1155  
 <211> 491  
 <212> DNA  
 <213> Homo sapien

<400> 1155						
cctccctctc	agagcttgcc	ccaggggactc	tctggccctc	agggttcaat	gtattctgac	60
caaggccaag	ctttctctgg	gctcagggaa	aatcacactt	tgctacccga	agctgtatcc	120

```

cctcagatgc caggaaggcc gtgatcatct gactccaccc tcctgagaca cattctctcc 180
ctgactgtcc tgttctaagt cagcggagca ccttaggatg gaggggtgga ggcgaggcca 240
gatgcagcct ctgtgaacag gtgcctggag gctgggaaat gaccctgaga ggcgaggaca 300
cagcaaccgt gggcttaagg tgaccttgag agcaagcttg gccacttta caattctgtt 360
cagagccagc ccctaacatg gtggtcattt attcatttgt tccctcattt taaaaaatgt 420
aaggccaggc atggtggctc acgccgggta atcccagcac tttgggaggc cgaggcaggc 480
agatcacctg a 491

```

```

<210> 1156
<211> 586
<212> DNA
<213> Homo sapien

```

```

<400> 1156
agcaaataga agcaatcagg gcactgcaag ttgtgactac tccaagatgt gaatcatgga 60
tcatgcaaat tacaatcatg ttttaacctg acctccaaag ggagaataaa gtaaaaatta 120
tcccatgtga ggattattca ccagtttata tgtcattagt taccagtttt tctttatgaa 180
taatgtttag caatattata aagtatatct aatagttatc aggttttttg cttgttactt 240
tttggtagta acttataaaa ctgactggaa aagaccaata aggcactgtt tgcattgttac 300
aaattatatt caaagaccaa aagctgttaa taagaaatct tccaataaaa ccacatcata 360
ttttcttttt tatttacacc cacatcagga ttacaacttt atcaggactg caccttgatc 420
aggaagggat gtttctctta caaggctaata aagaaaggaa caataaattt gctgatgaaa 480
aaagtcattg atttaaaaat tttaacttta atttttaatt gagggcaata ttttaaagaa 540
atgctcatta gtcattcctt taaattgtgt gtgtgagaga gagaaa 586

```

```

<210> 1157
<211> 392
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

```

```

<400> 1157
cctccggctg gtgtttctgag ggttgccagg ccatcggtga cacaggcacc tctctgctca 60
ctgtgccccg gcagtacatg agtgctcttc tgcaggccac aggggccag gaggatgagt 120
atggacagtt tctcgtgaac tgtaacagca ttcagaatct gccagcttg accttcatca 180
tcaatggtgt ggagttccct ctgccacctt cctcctatat cctcagtaac aacggctact 240
gcaccgtggg agtcgagccc acctacctgt cctcccagaa cggccagccc ctgtggatcc 300
tcggggatgt ctctctcagg tctactatt ccgtctacga cttgggcaac aacagagtag 360
gctttgccac tgnccgctag acttgctgnc tc 392

```

```

<210> 1158
<211> 375
<212> DNA
<213> Homo sapien

```

```

<400> 1158
gggaaaaata attttattcc tcaaattgatc agcacattca gaagcaggac agaggagctc 60
tgatgacatc tctgggggac tcaaagcggc cctcattttc tgggtatttc ccagggtgatt 120
ctcttccaac ctgtgagtcc tgctctcttt cctcccatct gaagtttgag acatcctctg 180
ccacaaggaa agccaccaat accagcccaa agagccacca gagaggaacc aaaccacatg 240

```

```
<210> 1159
<211> 361
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A,T,C or G
```

<400>	1159						
gtttattgta	aaaaacaaaa	aactctgtat	tgtgcacatg	aagacctgga	gatgtgccga		60
cttcctgtcc	ccaaagccaa	tcttccccgc	caaggcgact	gaggatttca	agggctcaga		120
gttactgcag	gaatccaggt	gacaccagga	agagaagggg	gaggagggga	atcggagggg		180
atgggtttta	aaggcagagg	ggaggggagat	ggaaggggaat	gaggagggagg	gagactgagg		240
gggctgcctt	tccttgggga	ctgggggaact	catgccctgc	ccccacccgc	agggctccag		300
gggtgagaga	aaggggtgga	gaataaagaa	ttgggcanca	gggtgatggg	gggaacagca		360
g							361

```
<210> 1160
<211> 142
<212> DNA
<213> Homo sapien
```

```

<400> 1160
cgcaatgttg ccagtgtctg tctgcaggtt ggctacccaa ctgttgcatc agtaccatccat      60
tctatcatca acgggtacaa acgagtcctg gccttgtctg tggagacgga ttacaccttc      120
ccacttgctg aaaaggtcaa gg                                     142

```

```
<210> 1161
<211> 193
<212> DNA
<213> Homo sapien
```

```
<400> 1161
ccaaagccta cgaccacctc ttcaagttgc tgctgatcgg ggactcgggg gtgggcaaga      60
cttgtctgat cattcgcttt gcagaggaca acttcaacaa cacttacatc tccaccatcg      120
gaattgattt caagatccgc actgtggata tagaggggaa gaagatcaaa ctacaagtct      180
gggacacgac taq                                     193
```

```
<210> 1162
<211> 265
<212> DNA
<213> Homo sapien
```

<400>	1162								
cctgggtgcc	acgattccca	gcctggagcg	cagccaggac	gtgggagacc	ttctcagaga			60	
ctctcgggc	acactctatg	agctccttct	tgggtgatgc	atacttgagg	ctgcactgca			120	
ggcgcgctg	cttgggtgac	agagcggcac	agcccaggcc	cagctcctgt	acctgtgtt			180	
tgaatatgga	acctatctct	tcattttcag	cagccaccqc	tgcaggcttg	gcctccgagg			240	

ccagacggcc atagtcactg gtcag

265

<210> 1163  
<211> 337  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(337)  
<223> n = A,T,C or G

<400> 1163  
ctgcagagtg ggganaggct tttgccacta gaaacttcca ggatgcacga gatcaaggaa 60  
ttaagtctgt aacaaaataa caggatgctc tgtgaagtcc aaagaattgc ttgaggcaaa 120  
ctgcagagct ccatgagatc agcaacccca agagctttta caccgccgga cacggtttaa 180  
taggaaaaaa atctcctata ctgnntattc anaaccaaat gaanagaaat gtcaaaggag 240  
tcggaacaaa tatgtcaaatt tangtaaatt cctgacctga cccanatttt gcngaacatt 300  
tgatcctaaa ctgtgctgtc cagctcctta ggatcac 337

<210> 1164  
<211> 368  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(368)  
<223> n = A,T,C or G

<400> 1164  
ccagacgtgg tggctcacac ctgcaatccc agcacottag gaggccgagg caggaggatc 60  
cttgagggtca ggagttcgag accagcctcg ccaacatggg gaaaccccat ttctactaaa 120  
aatacaaaaa attagccaag tgtggtggca tatgctgtga atcccaacta ctcagaaggc 180  
cgaggcagga gaattacttg aacgcaggag aatcactgca ncccangagg canagggttg 240  
antgagccga gattgcacca ctgcaactcca gcctgggtga cagagcaaga ctccatctca 300  
gtaaataaat aaataaataa aaagcgtgct agtagctgtg gcctcaccct gaagtcagcg 360  
ggcccagg 368

<210> 1165  
<211> 267  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(267)  
<223> n = A,T,C or G

<400> 1165  
ctgggaagga ggctcctcgg ccttctcctg tttgtcatcc tctcatcag actcgacctc 60  
catctcaact tctcactct ccccaaactt ttcatagcgc tctgaatga ggattcgggc 120  
ccccagctcc tctggcgtgg tggggggagg gaagttccct tgctcattgg gttggaagnc 180  
cactgtttcc accaccacaa aatcatgcca ntcnatctga gcataggcca cccgntcctt 240

267

<213> Homo sapien

<223> n = A, T, C or G

ctgtctgtac	acttttttctt	gggggaagag	ttcttgtctt	cagtttactg	cagtaggggt	60
cctggctctg	ttacatgctc	atgtgttccg	gaagaacaca	tgaaatatca	tcccacggat	120
gacgatacag	cccctgcttc	ancctcttct	gatcaagata	gtgtccaatg	aaccccatat	180
tccttcccag	cacaaagatg	ccattgaggg	ctccaatgtc	aatatattca	tcagcttcc	240
ccctgcaaca	cacatcaact	tgtagtttta	aaaggctcac	gtgactgcc	tcctccccac	300
agacagtact	actactgcc	aanaatgaga	agaaaagggg	tgctctgggt	ggtngcatta	360
caggcaattt	ttgttntctt	nnttatacct	ctccttattt	tncaaatntt	ctatatgag	420
tntgcatctac	ttt					433

<213> Homo sapien

cctctggtct	tttcttcagc	cacttctcca	gctcctgcag	gttctgggtct	gagtagtcag	60
tgacgacgat	ctccttaaag	gattcacaaag	cagagaggag	ctgatagata	gtggggccag	120
agccgatgtc	aatcagcagg	tctcccttca	caccgtctag	gcagaatatc	ttgaaaagat	180
ttttcagaag	gtgcttaaga	atctggcttt	ctgcagagtg	cctagaacca	aacttgtaat	240
atttttctag	gtaatcccga	gggttaaaat	ggcttagata	ggtgtccttg	gaggtgaagc	300
ctgattccat	tatgtctcac	ttccgtacca	ctggagcact	gccctccttc	tctttcctcc	360
ag						362

<213> Homo sapien

$\langle 223 \rangle$  n = A, T, C or G

gcagtcacatg	ggcccaggac	catgccactg	gccttgctcc	cccagccgca	gctcacctg	60
caggtgctcc	tcgatgtcct	tgcggtcgta	ggtgatgcca	ctgggcgtga	tgcacggctc	120
ccgcatcagc	tcaaagctga	tcttgccaca	caggtagtctg	gggatgtctc	gcttctgtgg	180
cacagggggc	cacggtcaga	ggctgaaaag	gggcactgca	cgagcacctg	ccagccatcg	240
gcagcaagcg	acacacactc	accttctctt	tctcctccac	ctgagaaaaa	agctcgtcca	300
tgtcgcgcat	gtacttgctc	tgtgaacagt	tgagtgctgt	gcttggggga	gacacccac	360
ctccctcctn	catggggcac	anacccaaca	caaggcgggg	atgctnccac	gccactgca	420

cacacacaga cccacatgtg ggtggggggc accctcacg 459

<210> 1169  
<211> 386  
<212> DNA  
<213> Homo sapien

<400> 1169  
ccagggcacc tgtgcggggc tcctcgatgt ggaagggttcg ggtgaggaga ttgtagaagg 60  
agccgtagca cacggccacc acagtgcacg tgaggcagat cacgctgtag ggcatgctga 120  
agtccggtgt cggcaggttc accagcagcg gctccgtgta gagccgcaca aagtagttag 180  
agccatcaga gactgggaac aggctgttga agaggggact ctcttcccag tccactggct 240  
tggtgctac catgctgggc acaaggggcg tgaggacaga tgggctgaca tagaagccat 300  
ggttaggata tggcgtgtac tcggtccact tcagcagcgc ccgctcaaac tggatggaaa 360  
ccttggtgac tgagttggcc ggccag 386

<210> 1170  
<211> 480  
<212> DNA  
<213> Homo sapien

<400> 1170  
ctatttctct gttagtgttt aaccaaccat ctgttctaaa agaagggttg aactgatgga 60  
aggaatgctg ttagcctgag actcaggaag acaacttctg cagggtcact ccctggcttc 120  
tgaggagaaag agaaggaggg cagtgtctca gtggtacaga agtgagacat aatggaatca 180  
ggcttcacct ccaaggacac ctatctaagc cattttaacc ctcgggatta cctagaaaaa 240  
tattacaagt ttggttctag gcactctgca gaaagccaga ttcttaagca ctttctgaaa 300  
aatcttttca agatattctg cctagacggg gtgaaggagg acctgctgat tgacatcggc 360  
tctggcccca ctatctatca gctcctctct gcttgtgaat cctttaagga gatcgtcgtc 420  
actgactact caggaccaga acctgcagga gctggagaag tggctgaaga aagagccaga 480

<210> 1171  
<211> 317  
<212> DNA  
<213> Homo sapien

<400> 1171  
cctcagcagc cctgccacgg atctgccga ttcttttcgca tcaagaagtt gatcttgca 60  
gccatttcca tgttgtagat ccgccggcac ctttcatagc tttccctctg tcgccggcgg 120  
catggcttct cataataccg ccgatgctta atgtcctcaa tgagcccatc catagtgagg 180  
attctgttta gggctcctgta tgcgctttcc acgttccctt cctgtaccat cacagtcctg 240  
gcgatgaact tcagatgttt tgccatgacc ttggatttaa accttcaact tgtagagcct 300  
cgcgcgctca gtacct 317

<210> 1172  
<211> 202  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(202)  
<223> n = A,T,C or G



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<210> 1173
<211> 173
<212> DNA
<213> Homo sapien
```

```
<210> 1174
<211> 301
<212> DNA
<213> Homo sapien
```

```
<210> 1175
<211> 537
<212> DNA
<213> Homo sapien
```

```
<210> 1176
<211> 384
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G
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<400> 1176  
 ctgacaaaaa atgtgaaatt tccacaaaaat atccaactta tgtgactaaa cgcagtagtt 60  
 tttttaaaag gggagataga aaataaatgg ttttggttga gtgcatttta gtaagccttt 120  
 gcagtaaaat gacggttgta actactaaac caaatttagt tttcacagca tggttttggt 180  
 gttttccct tgtttttcag aggtaaattt tgcattatat ccttcagtat ttttaacta 240  
 ttttggcagt ttacacatta ctttttgntt ttcttcctt tttgngaaat gtattaagtt 300  
 gtggttctta ttgaaacagt attatataat gttngcttaa ttatatcatg tgatgctcan 360  
 ntctattntg atttattcat tagt 384

<210> 1177

<211> 562

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(562)

<223> n = A,T,C or G

<400> 1177  
 ccaacaacat gcaggaagct cagagtatcg atgaaatcta caaatacgac aagaaacagc 60  
 agcaagaaat cctggcgggc aagccctggg ctaaggatca ccattacttt aagtactgca 120  
 aaatctcagc attggctctg ctgaagatgg tgatgcatgc cagatcgga ggcaacttgg 180  
 aagtgatggg tctgatgcta ggaaaggtgg atggtgaaac catgatcatt atggacagtt 240  
 ttgctttgcc tgtggagggc actgaaacc gagtaaatgc tcaggctgct gcatatgaat 300  
 acatggctgc atacatagaa aatgcaaaac aggttggcgc ccttgaaaat gcaatcgggt 360  
 ggtatcatag ccaccctggc tatggctgct ggctttctgg gattgatgtt agtactcaga 420  
 tgctcaatca gcagttccag gaaccatttg tagcagtggg gattgatcca acaagaacaa 480  
 tatccgcagg gnaaagtga tcttggcgcc tttaggacat acccaaaggg ctacaaacct 540  
 nctgatgaan gaccttctga gt 562

<210> 1178

<211> 353

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(353)

<223> n = A,T,C or G

<400> 1178  
 cgcgtctgga tggccgaatc attcgcacag actgggacgc aggccttaag gagggcaggc 60  
 aatacggccg tgggcgatct gggggccagg ttcgggatga gtatcggcag gactacnatg 120  
 ctgggagagg aggcctatgga aaactggcac agaaccagtg agtggtgaga gctctgtcag 180  
 tgacaaacac tcctttggcc tgttgaattt gctgaagaac atcacctaaa gtctgcacac 240  
 gagccatttt ttaccaagat ttgatcagtg tctttactga gctggaagcc tctgaaagtt 300  
 attaaaggac agaatccaaa agaatgcctt taattcttgt ctgagaatct tgg 353

<210> 1179

<211> 288

<212> DNA

<213> Homo sapien

<400> 1179  
 ccaatgggat cctcaagggtg cctgccatca atgtcaatga ctccgtcacc aagagcaagt 60  
 ttgacaacct ctatggctgc cgggagtccc tcatagatgg catcaagcgg gccacagatg 120  
 tgatgattgc cggcaaggta gcggtggtag caggctatgg tgatgtgggc aagggctgtg 180  
 cccagggcct gcgggggttc ggagcccgcg tcatcatcac cgaggttgac cccatcaacg 240  
 cactgcaggc tgccatggag ggctatgagg tgaccacat ggatgagg 288

<210> 1180  
 <211> 523  
 <212> DNA  
 <213> Homo sapien

<400> 1180  
 ctggagagat ggagcgggtg gcaccgtcat ccttcctcat cagccacata gaaggacagt 60  
 ggcgatttca gccagcgtt tctgactgct tgtaaattga agcccagaac tggtttgcca 120  
 cctgtgggat cgactcagca ttttaaaata ggaggcagtc gtgagtgcag gtttcttgca 180  
 gctccgggtg gccctgggct ccaggtcagg agacctcagc tcctgtccct gatctgtggt 240  
 tgtcaagcct tgcagactct aaactcagca tctttatctg tcagacgtag acacgtggct 300  
 cccgtggttg gtgcgggttg aatagctgag gtaatacacg gacctccaag cactagagca 360  
 gtatgaggag ttctgaggaa tggttatcct gcggtgcctg tggccacag caagccattc 420  
 ttatcccatc cggtttactt cccacagcca ctttgtaagc ataggcatta tcctctaccc 480  
 catcatagaa atgaggaaaa gaatcaccaa gagagtaagc agc 523

<210> 1181  
 <211> 493  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(493)  
 <223> n = A,T,C or G

<400> 1181  
 cacagatgaa ggctttgtga tacctgatga agggggccca caggaggagc aagaagagta 60  
 ttaacagcct ggaccagcag agtaacatcg gaattcttca ctccaaatca tgtgcttaac 120  
 tgtaaaatac tcccttttgt tatccttaga ggaactcactg gtttcttttc ataagcaaaa 180  
 agtacctctt cttaaagtgc actttgcgga cgtttcactc cttttccaat aagtttgagt 240  
 taggagcttt taccttgtag cagagcagta ttaacaccta gttggttcac ctggaaaaca 300  
 gagaggctga ccgtggggct caccatgcgg atgcgggtca cactgaatgc tggagagatg 360  
 ttatgtaata tgctgaggtg gcgacctcag tggagaaatg taaagactga attgaatttt 420  
 aagctaattg gaaatcanag aatgttgtaa taagtaaagc ccttaagagt atttaaaaana 480  
 tgcttccaca ttt 493

<210> 1182  
 <211> 329  
 <212> DNA  
 <213> Homo sapien

<400> 1182  
 cgcgtctctg aactgtgat catgatagg gttcaaacag aaagtgcctg ggccctcctt 60  
 ctaagtcttg ttaccaaaaa aaggaaaaag aaaagatctt ctcaagtaca aattctggga 120  
 agggagacta tacctggctc ttgcctaag tgagaggtct tcctcccgc accaaaaaat 180

agaaaggctt	tctatttcac	tggcccaggt	agggggaagg	agagtaactt	tgagtctgtg	240
ggcctcattt	cccaggtgcc	ttcaatgctc	atcaaaacca	ggcatgggga	aggccctggc	300
aaactgctcc	accggttgcc	tgagggttgg				329

<210> 1183  
 <211> 198  
 <212> DNA  
 <213> Homo sapien

<400> 1183						
cctgacagac	agaagggtt	ggagatTTTT	tttctttaca	attcagtctt	cagcaacttg	60
agagctttct	tcatgttgtc	aagcaacaga	gctgtatctg	caggttcgta	agcatagaga	120
cgatttgaat	atcttccagt	gatatcggtc	ctaactgtca	gagatgggtc	aacaaacata	180
atcctgggga	catactgg					198

<210> 1184  
 <211> 224  
 <212> DNA  
 <213> Homo sapien

<400> 1184						
ctggagggtgc	ctcagaaggt	gcattctgct	tcctgcaggg	gcttgaaaca	ccaaggcact	60
ccagggatcc	tgaggtcaaa	gcagcagccc	cgggtgttgc	actccttggg	ggtgacatgg	120
gggtagccgc	agtcaccct	gtccttggtc	ggcacggcac	actggtttgc	agacaggccc	180
acgtactcct	cagcagagct	ggaggacagc	aaggccagga	ccag		224

<210> 1185  
 <211> 367  
 <212> DNA  
 <213> Homo sapien

<400> 1185						
ccttttacag	atgtcagctt	tcactggcct	ccatgcacaa	cctcccacta	ccacccaatc	60
tgctgccac	agcaaagtgc	aggcaccctg	ggccccctgg	aggatgcggg	caggggctac	120
agggcacca	ggatgtgggc	gatcttggtg	accagctcct	ggcgctttcc	tgagatgagc	180
ttctcattct	caatgtacgt	gtctttcttg	agcttgccag	ccaccaggcg	ctcagcctcc	240
accgccgact	tcagcaccag	ctccttgacc	tgtgcatcca	gcttctgcat	ttcgctcact	300
ctgtcgcaca	gatcagagcc	ctctgtcttc	agcctggact	gcagcagtgc	aatctcactg	360
gtcaagg						367

<210> 1186  
 <211> 188  
 <212> DNA  
 <213> Homo sapien

<400> 1186						
ccattaagcg	gatgctggag	atgggagcta	tcaagaacct	cacgtccttc	cgacctgggc	60
aagagctgta	gcctgtcggt	tgccctactct	gctgtctggg	tgaccccat	gcgtggctgt	120
gggggtggct	ggtgccagta	tgaccactt	ggactcacc	cctcttgggg	agggagtcct	180
gggcctgg						188

<210> 1187  
 <211> 379  
 <212> DNA

<213> Homo sapien

<400> 1187

gttgatgcta	ctctgaagtc	tctcaacaac	cagattgaga	cccttctttac	tcctgaaggc	60
tctagaaaga	gccagctcg	cacatgcogt	gacttgagac	tcagccaccc	agagtggagc	120
agtggttact	actggattga	ccctaaccac	ggatgcacta	tgatgctat	caaagtatac	180
tgtgatttct	ctactggcga	aacctgtatc	cgggcccaac	ctgaaaacat	cccagccaag	240
aactggtata	ggagctccaa	ggacaagaaa	cacgtctggc	taggagaaac	tatcaatgct	300
ggcagccagt	ttgaatataa	tgtagaagga	gtgacttcca	aggaaatggc	tacccaactt	360
gccttcatgc	gcctgctgg					379

<210> 1188

<211> 384

<212> DNA

<213> Homo sapien

<400> 1188

cgcgtcggac	tgcagccagt	cogtttccct	tctttagcca	gccatccctg	tactgtagtt	60
taggggttga	tgggtggtga	aattgatttc	tggctgggta	ctaagggtgc	tgctagccat	120
tgtataaaat	taaaacatga	agaatatctt	ttttttgagc	atggctagt	gatttaaaac	180
aacacatacc	tgctactgct	ggagtcaaac	ttataaaaag	ccttaagtgg	aaagtgttcc	240
agacggagac	tctgagttaa	tagaggagta	gaagctggtg	ttaaagtctc	cacgacgcac	300
atggctttgc	cagaaaactc	gtttaatgat	cggcctttca	cctcttccact	tatccttagt	360
cccagtagcc	aggatacctg	atgg				384

<210> 1189

<211> 419

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(419)

<223> n = A,T,C or G

<400> 1189

ggaaaaacca	gccactgctt	tacaggacag	gggggtgaag	ctgagccccg	cctcacaccc	60
acccccatgc	actcaaagat	tggattttac	agctacttgc	aattcaaaat	tcagaagaat	120
aaaaaatggg	aacatacaga	actctaaaag	atagacatca	gaaattgttg	agttaagctt	180
tttcaaaaaa	tcagcaattc	cccagcgtag	tcaagggtgg	acactgcacg	ctctggcatg	240
atgggatggc	gaccgggcaa	gctttcttcc	tcgagatgct	ctgctgcttg	agagctattg	300
ctttgttaag	atataaaaag	gggtttcttt	ttgtctttct	gtaaggtnna	cttcagctt	360
ttgattgaaa	gtcctagggt	gattctatct	ctgctgtgat	ttatctgctg	aaagctcag	419

<210> 1190

<211> 173

<212> DNA

<213> Homo sapien

<400> 1190

ccaggtactg	gcacatcatg	ctctggatgg	gggtgggtgg	gtcctgtagg	cagagaaaca	60
ggaaattgtc	gtagtcagta	tcgagcagcg	tggcctcggt	cgccaccgta	tagttgatct	120
tgaacttctt	tggattctca	gtcttctctc	caaggacctt	cttctcaaca	cag	173

<210> 1195

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<400> 1198
ccatgggtgt ctggagcacc ctgaaactgt atcaaagttg tacatatattc caaacatttt      60
taaaatgaaa aggcactctc gtgtttctct cactctgtgc actttgtgtg tgggtgtgaca    120
aggcatttaa agatgtttct ggcattttct ttttatttgt aaggtggtgg taactatggt    180
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tattggctag	aaatcctgag	ttttcaactg	tatatatcta	tagtttgtaa	aaagaacaaa	240
acaaccgaga	caaacccttg	atgctccttg	ctcggcgttg	aggctgtggg	gaagatgcct	300
tttgggagag	gctgtagctc	agggcggtgca	ctgtgaggct	ggacctgttg	actccgcagg	360
gggcatccat	ttagcttcag	gttgtcttgt	ttctgtatat	agtgacatag	cattctgctg	420
ccatcttagc	tgtggacaaa	gggggggtcag				450

&lt;210&gt; 1199

&lt;211&gt; 294

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1199

agtcacagtt	gcacctattc	aaaactagct	ttaaagtgag	ctatttttaa	acttcataaa	60
aatattcatg	attttattag	tttgaatatt	tctacaagat	tcgggtgggc	ttttccttta	120
ggtgaaaaca	gctatccact	cctgtggcct	tataactcag	gaaatgctgg	ggatgcaaac	180
gtgcaaaagg	caggggggaag	ctgcccaggc	tgagactgga	gcagctagga	gtgtgcttgg	240
ggaacgggag	ctgagatccc	ggagcagaaa	tggtcagccg	tgctctggag	cagg	294

&lt;210&gt; 1200

&lt;211&gt; 258

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1200

agctacctaa	gaacagctaa	aagagcacac	ccgtctatgt	agcaaaatag	tgggaagatt	60
tataggtaga	ggcgacaaac	ctaccgagcc	tggtgatagc	tggttgtcca	agatagaatc	120
ttagttcaac	tttaaatttg	cccacagaac	cctctaaatc	cccttgtaaa	tttaactggt	180
agtccaaaga	ggaacagctc	tttggacact	aggaaaaaac	cttgtagaga	gagtaaaaaa	240
tttaacaccc	atagtagg					258

&lt;210&gt; 1201

&lt;211&gt; 403

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1201

ctgagctgct	gtctgctttg	gaaaacogtt	cctgccgctg	ccgatggatg	gaaatgcaat	60
ggatttcagc	ttcttatcat	cagccagggc	caagcagttt	ttcactgtct	tttccagaag	120
ttcttcacac	ttgtctgcac	cccaaactgg	actattacag	tggatcacaa	acttggcagg	180
caggccatgg	cctgcgctga	cagcagctcc	agctacttcc	aagggcccgt	tctttttccg	240
gagttccagg	acagcttcca	caaactcctt	gccacctttc	ttctccagcg	tgtttcctag	300
gtcatcttta	aggtcaatgt	cagcattggg	aggattgatt	atggcctcca	cctcaaagcc	360
ggctaaatta	ctgatttcac	tgtgaataag	gttcggcttc	tgg		403

&lt;210&gt; 1202

&lt;211&gt; 325

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1202

ctgaacctgc	gggagtcggc	caccatcacg	tgcttggtga	cgggcttctc	tcccgcggac	60
gtcttcgtgc	agtggatgca	gagggggcag	cccttgcccc	cggagaagta	tgtgaccagc	120
gccccaatgc	ctgagcccca	ggccccaggc	cggctacttcg	cccacagcat	cctgaccgtg	180
tccgaagagg	aatggaacac	gggggagacc	tacacctgcg	tggtggccct	tgaggccctg	240



cccaacaggg tcaccgagag gaccgtggac aagtccaccg gtaaaccac cctgtacaac 300  
gtgtccctgg tcatgtccga cacag 325

<210> 1203  
<211> 518  
<212> DNA  
<213> Homo sapien

<400> 1203  
ctcaaccaca gtctgacacc agagcccact tccatcctct ctggtgtgag gcacagcgag 60  
ggcagcatct ggaggagctc tgcagcctcc acacctacca cgacctcca gggctgggct 120  
caggaaaaac cagccactgc ttacaggac aggggggttga agctgagccc cgcctcacac 180  
ccacccccat gactcaaaag attggatttt acagctactt gcaattcaaa attcagaaga 240  
ataaaaaatg ggaacataca gaactctaaa agatagacat cagaaattgt taagttaagc 300  
tttttcaaaa aaccagcaat tccccagcgt agtcaagggt ggacactgca cgctctggca 360  
tgatgggatg gcgaccgggc aagctttctt cctcgagatg ctctgctgct tgagagctat 420  
tgctttgtta agatataaaa aggggtttct ttttgtcttt ctgtaagggtg gacttccagc 480  
ttttgattga aagtcctagg gtgattctat ttctgctg 518

<210> 1204  
<211> 352  
<212> DNA  
<213> Homo sapien

<400> 1204  
ggggaaagga ggtctcactg agcaccgtcc cagcatccgg acaccacagc ggcccttcgc 60  
tccacgcaga aaaccacact tctcaaacct tcactcaaca cttccttccc caaagccaga 120  
agatgcacaa ggaggaacat gaggtggctg tgctgggggc acccccacg accatccttc 180  
caagggtccac cgtgatcaac atccacagcg agacctccgt gcccgaccat gtcgtctggt 240  
ccctgttcaa caccctcttc ttgaactggg gctgtctggg cttcatagca ttgcctact 300  
ccgtgaagtc tagggacagg aagatggttg gcgacgtgac cggggcccag ga 352

<210> 1205  
<211> 250  
<212> DNA  
<213> Homo sapien

<400> 1205  
ctgttcaact tccaactcta aataggcacc attaaacaaa aaaccccagt attttaaatt 60  
tctccagcac acattccagg atcaatgctc tgaactgtaa tcagctagta attcataacg 120  
ggaatacagc cttagaatgg aagctatat gcttccctgc cccctttctc ttacaattgg 180  
agagtgtagg tattaaggga tacaaaagtca gaggaagaat aattaaaaag aaaaatgcc 240  
aaagctgcag 250

<210> 1206  
<211> 275  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(275)  
<223> n = A,T,C or G

<400> 1206  
 ctgctctcgn ngnetcactg gatggaccag cacttccgca cgacgcccct ggagaagaac 60  
 gccccgtct tgctggccct gctgggtatc tggtagatca actgcttttg gtgtgagaca 120  
 cacgccatgc tgccctatga ccagtagctg caccgctttg ctgcgtactt ccagcagggc 180  
 gacatggagt ccaatgggaa atacatcacc aaatctggaa cccgtgtgga ccaccnnaca 240  
 ggccccattg tgtgggggga gccagggacc aatgg 275

<210> 1207  
 <211> 182  
 <212> DNA  
 <213> Homo sapien

<400> 1207  
 ccatctcctg ctggaagtcc agggcgacgt agcacagctt ctccctgatg tcgcgcacga 60  
 ttcccgctc ggccgtgggtg gtgaagctgt agcctcgctc agtgaggatc ttcagtaggt 120  
 agtcggtcag gtcccgcca gccaggtcca gacgcaggat ggctggggg agggcgtagc 180  
 cc 182

<210> 1208  
 <211> 260  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(260)  
 <223> n = A,T,C or G

<400> 1208  
 gctgggttatg aactcctgac ctcaagtgat ctgccctcct cagcctccca aagtgtctggg 60  
 attataggca tgagccactg gaatttttct tttttttttt ctttctttt tttttttttt 120  
 ttaaattgan acaaggtctg gctctatcgc ccangctgga gtgcagnggc accatntcgg 180  
 ctactgcaa cctctgcctg ctgggctcga gccatcctcc cacctcagcc toccaagtan 240  
 ttgggactag aggtatgcac 260

<210> 1209  
 <211> 487  
 <212> DNA  
 <213> Homo sapien

<400> 1209  
 aaacccactc caccttacta ccagacaacc ttagccaaac catttaccca aataaagtat 60  
 aggcgataga aattgaaacc tggcgcaata gatatagtag cgcaaggga agatgaaaaa 120  
 ctataaccaa gcataatata gcaaggacta atocctatac cttctgcata atgaattaac 180  
 tagaaataac tttgcaagga gagccaaagc taagaccccc gaaaccagac gagctaccta 240  
 agaacagcta aaagagcaca cccgtctatg tagcaaaata gtgggaagat ttataggtag 300  
 aggcgacaaa cctaccgagc ctggtgatag ctggttgtcc aagatagaat cttagttcaa 360  
 ctttaaattt gccacagaa ccctctaaat ccccttgtaa atttaactgt tagtccaaag 420  
 aggaacagct ctttgacac taggaaaaaa ccttgtagag agagtaaaaa atttaacacc 480  
 catagta 487

<210> 1210  
 <211> 216  
 <212> DNA

<400> 1213						
ccagccattg	cctgncattt	ggtagtatag	tatgattctc	accattattt	gtcatggagg	60
cagacataca	ccagaaatcg	gggagaaaaca	gtacatatct	ttctgtcttt	agtttattgt	120
gtgctggctc	aagcaagctg	agatcatttg	caatggaaaa	cacgtaactt	gtttaaaagt	180
ttttctggta	gcttttagctt	tatgctaaaa	aaaataatga	cattgggtat	ctatttcottt	240

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<210> 1214
<211> 428
<212> DNA
<213> Homo sapien
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```
<210> 1215
<211> 414
<212> DNA
<213> Homo sapien
```

```
<210> 1216
<211> 162
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(162)
<223> n = A,T,C or G
```

```
<210> 1217
<211> 392
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc feature
```

<222> (1)...(392)

<223> n = A,T,C or G

<400> 1217

ctgaagtaga	ggctggaact	gaagctgaga	ctgaggctga	ggctgaaact	ggagctaagg	60
gtgaggctgg	aactggagct	gaggttgagg	ccagaactgg	agctaaagtt	gaggctggaa	120
ccggagctga	ggttgaggct	ggaactggag	ttaagggtgc	tggaagtggg	gctgagggtg	180
aggctggaac	tgaagctgag	ggtgaagggtg	gaagtggagc	cgaagctaga	ggtggaactg	240
aggctgaaga	ctgtgcttgc	tggatccctg	tagcctgttt	tttggcaaatt	cttgaggagg	300
gcttanaagt	ctggcttctt	cctttttcat	ttgcattctt	tttgttccag	accttaaaaa	360
attaacgggg	accatttttg	tcaataatgc	ag			392

<210> 1218

<211> 526

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(526)

<223> n = A,T,C or G

<400> 1218

ctgagctttc	agcagataaa	tcacagcaga	aatagaatca	ccctaggact	ttcaatcaaa	60
agctggaagt	ccaccttaca	gaaagacaaa	aagaaacccc	tttttatatc	ttaacaaagc	120
aatagctctc	aagcagcaga	gcctctcgag	gaagaaagct	tgcccggctg	ccatcccatc	180
atgccagagc	gtgcagtgtc	cacccttgac	tacgctgggg	aattgctgat	tttttgaaaa	240
agcttaactt	aacaatttct	gatgtctatc	ctttagagtt	ctgtatgttc	ccatttttta	300
ttcttctgaa	ttttgaattg	caagtagctg	taaaatccaa	tctttgagtg	catgggggtg	360
ggtgtgaggc	ggggctcanc	ttcaaccccc	tgtcctgtaa	agcagtggct	ggtttttcct	420
gagcccagcc	ctgggaggtc	gtggtangtg	tggaggctgc	agagctcctn	cagatgctgc	480
cctcgctgtg	cctcacacca	nagaggatgg	aagtgggctc	tggtgt		526

<210> 1219

<211> 382

<212> DNA

<213> Homo sapien

<400> 1219

ctggccggcg	gtgcagatct	ggagtccagc	ctcagggatg	cgctactttc	cattctctgc	60
attgaacatt	cgttctgtca	gcctccgctc	cagcttccact	gcctcagcgg	caaacttgcg	120
gatcccgtca	gagagcttct	ccacagccat	ctggtcctcg	ttgtgcaacc	aacggaaaga	180
cttctcatcc	agggtggattt	tttccagggtc	actggcttgg	gccgccttgg	ctgagagcac	240
aggcaccagc	ttggcgttgt	cctgcagcag	ctctcccagg	agcttgggtg	agatgggtgag	300
gaagtcacag	ccggccagtg	ctttgatctc	gcccgtgttg	cggaaggagg	cgcccatgac	360
aatggttttg	tagctaaact	tc				382

<210> 1220

<211> 127

<212> DNA

<213> Homo sapien

<400> 1220

tcgacctcct	tgaagcagac	caagtatagc	aagcctctaa	aaggactact	gagaaacaga	60
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atcagaaaact ctagaactct agttagggcc cttcagcagg gctgcagagc ctccttgat 120  
 acccagg 127

<210> 1221  
 <211> 304  
 <212> DNA  
 <213> Homo sapien

<400> 1221  
 ccaccccgga gatgacacga ggctcacatg actctagaca cttggtggaa agtgaggcga 60  
 gaaaaacaat gacttgggcc aattacacga ctgcaaagct agagctgcca acagggctcc 120  
 agggagcttg gcttctgtag aagttctaag gaagcggtag gaactccacg gcggtggggc 180  
 gctaactagc agggacccct gcaagtgttg gtcggggggc tcgggctgcc tgagctgaca 240  
 cgaggggagg ggtctgtgta gccaacaggt gaccgaaggg cttgcctgcc cacagcttac 300  
 ttgg 304

<210> 1222  
 <211> 309  
 <212> DNA  
 <213> Homo sapien

<400> 1222  
 ctgtcgcaact cgtagctgca actcactcaa cttgtcttta gcagcaattt ctgcatagtc 60  
 attggcatgt tcacctacct ggatgtccgg gtgaactctc agcatgcctc cagcaaagag 120  
 ggagaacttg gtggaattgg agtgaagaca gatctggtgc tcaccagggg tatgggaagt 180  
 gaaagtgaac ctgccctcgg agccatactg ccggggccagg atgaccttgt cctctgggtc 240  
 ctccacctcc acaaacatgc caagccccgg ggtggccggc tggtaactct cccgctgctt 300  
 gtcatacag 309

<210> 1223  
 <211> 390  
 <212> DNA  
 <213> Homo sapien

<400> 1223  
 cctggccttg gagccctgtg cctactagaa gcacattaga ttatccattc actgacagaa 60  
 caggctcttt ttgggtcctt cttctccacc acgatatact tgcagtcctc cttcttgaag 120  
 attctttggc agttgtcttt gtcataacct acaggtgtag aaacaagggt gcaacatgaa 180  
 atctctgttt cgtagcaagt gcatgtctca cagttgtcag tctgccactc cgagtttatt 240  
 ggtgtttggt tcctttgaga tccatgcatt tccgtggtga atctcctgga actccctcat 300  
 taggtatgaa atagcatgat gcattgcata aagtcacgaa ggtggcaaag atcacaacgc 360  
 tgcccaggag aacattcatt gtgataagca 390

<210> 1224  
 <211> 407  
 <212> DNA  
 <213> Homo sapien

<400> 1224  
 ccttatgact acaacggccc acgagaaaaa tatggaatcg ttgattacat gatcgagcag 60  
 tccgggcctc cctccaagga gattctgacc ctgaagcagg tcaggagtt cctgaaggat 120  
 ggagacgatg tcatcatcat cggggctctt aagggggaga gtgaccagc ctaccagcaa 180  
 taccagatg ccgctaacaa cctgagagaa gattacaaat ttcaccacac tttcagcaca 240  
 gaaatagcaa agttcttgaa agtctcccag gggcagttgg ttgtaatgca gctgagaaa 300

ttccagtgcca agtatgagcc ccggagccac atgatggacg tccagggctc caccagggac 360  
tcggccatca aggacttcgt gctgaagtac gccctgcccc tggttgg 407

<210> 1225  
<211> 250  
<212> DNA  
<213> Homo sapien

<400> 1225  
ctgcagcttt gggcattttt ctttttaatt attcttcctc tgactttgta tcccttaata 60  
cctacactct ccaattgtaa gagaaagggg gcaggggaagc aatatagctt ccattctaag 120  
gctgtattcc cgttatgaat tactagctga ttacagttca gagcattgat cctggaatgt 180  
gtgctggaga aatttaaaat actgggggtt tttgtttaat ggtgcctgtt tagagttgga 240  
agttgaacag 250

<210> 1226  
<211> 444  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(444)  
<223> n = A,T,C or G

<400> 1226  
ccttttaggt gttgctctgg gcaggggggtg ggggtgcggg ggcttacagt gggggccctt 60  
agttggcaca ggttcggaag ggccccaggc agacatgaat tctcctgaga cttgaggtag 120  
gttgcttcag ccagcccggg cggagaagaa gggcagagag cgaacatagg agtccagtcg 180  
ggagcgaaag agctcacttt gcacagtttg gccagcggg cacaggggat tcttcaccac 240  
cagctccaca tacagcgcac tgtagatgtg gtgcagcaca tctcggatgg gtcccacgcc 300  
caagtcagta ttcatgacaa ctttgatccc agtgggcgtc tcgtagtaat ggagtttgta 360  
acggctagtt tggaaggcca ggaagccatc cttcatgtct agcggggaca tcttgctgac 420  
aaacgancgg atagagaaga gcat 444

<210> 1227  
<211> 491  
<212> DNA  
<213> Homo sapien

<400> 1227  
gtagcctta catgttgtgt agacttactt taagtttgca cccttgaaat gtgtcatatc 60  
aatttctgga ttcataatag caagattagc aaaggataaa tgccgaaggt cacttcattc 120  
tggaacacagt tggatcaata ctgattaagt agaaaatcca agctttgctt gagaactttt 180  
gtaacgtgga gagtaaaaag tatcggtttt attctttgct gatgtccttt ctgcttgaaa 240  
taacagtcac catacagcta aaggagagga gtttctttcc ttctaagtag gcagaaatgg 300  
tatcattatg ttgccgctct ccaatctccc agagctcgct ctctagagaa tcaccttctt 360  
tcgctttttt tttttttttg aggtagagtc tcactatgtt gcccagacta gccttgaact 420  
cctgggctca agtgattctc cctcctcagc ctcccagta gctggaacga actatagttg 480  
caccactgca g 491

<210> 1228  
<211> 279  
<212> DNA

<213> Homo sapien

<400> 1228

ctgggcggat	ctgatcaact	aggcaacatc	atgtccggat	atgagttcat	caacaagttg	60
actggagaag	atgtatttgg	aatcacccgt	cctctaatta	caagtacaac	tgagagcaaag	120
ctgggaaagt	ctgctggcaa	tgctgtttgg	ctaaacagag	ataagacatc	tccatttgaa	180
ttgtatcaat	tctttgtcag	gcaaccggac	gattcagtgg	aaaggtagct	gaagctgttc	240
actttcctac	cccttccaga	gattgatcat	atcatgcag			279

<210> 1229

<211> 199

<212> DNA

<213> Homo sapien

<400> 1229

cggccgaggt	ccagtcacaac	ctgctcctca	ttattgtata	aatgagcaga	atcaatatgg	60
cggaagccag	cttcaattgc	caatttggtg	gcctctaaag	ctttactttt	aggaacctct	120
gcaggcgcat	aggtgccaaa	tcccaggaca	ggcatgaagt	gaccatcatt	cagcttcaca	180
cactgatatt	tcgaatcca					199

<210> 1230

<211> 237

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(237)

<223> n = A,T,C or G

<400> 1230

ctgcattgnt	gnngaattca	caactactca	ggctgggaaa	atacagattg	gttcaaagaa	60
acaaaaaacc	agagtgtccc	tcttagctgc	tcagagagaga	ctgccagcaa	ttgtaatggc	120
agcctggccc	acccttccga	cctctatgct	gaggggtgtg	aggctctagt	agtgaagaag	180
ctacaagaaa	tcattgatgca	tgtgatctgg	gccgcactgg	catttgcagc	tattcag	237

<210> 1231

<211> 277

<212> DNA

<213> Homo sapien

<400> 1231

ctggaggtgc	ctcagaaggt	gcattctgct	tcctgcaggg	gcttgaaaca	ccaaggcact	60
ccagggatcc	tgaggtcaaa	gcagcagccc	cggttggtgc	actccttggg	ggtgacatgg	120
gggtagccgc	agtccacct	gtccttggtc	ggcacggcac	actggtttgc	agacaggccc	180
acgtactcct	cagcagagct	ggaggacagc	aaggccagga	ccagccccag	catgcagagc	240
gctctggcag	ccatgaccac	cgtgggctcc	gggacgc			277

<210> 1232

<211> 348

<212> DNA

<213> Homo sapien

<400> 1232



ctgcaacttt	ttttttttgc	aattacagag	tggtattcag	ttaacagaac	aacaattatt	60
tcgtataagc	tgcatcagag	acaactgaag	atgaaaaaac	taccatcccc	atatataact	120
aattttgtgt	gtgcaccaac	aagaacctgc	tttaaatttc	catgcccaatt	tacaaccccc	180
atactgtacc	aggcaagggt	agtggctatt	gaaaatacca	ccaggacagg	gctatctaaa	240
gacacattcg	gtagtgtgtt	aactatacaa	aaaaagacac	tgtacagttt	aaaaacaaat	300
cttacacagc	cttacatttc	aatttttttc	tttaaaagga	gtgagttg		348

<210> 1233  
 <211> 312  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(312)  
 <223> n = A,T,C or G

<400> 1233	
ctgagcgtac	ggccgcgttc atcccagccg cgggtgcccc caggttgatg acagctacgt 60
tgcaattggg	ctttgggatc tgatcatccg gcagcttgat ggcaagtcgc ttgtaggtgt 120
tcaggttgcc	cgcaaagctc ctccctcgga gtcgaaccgn atnttgaaat ctcctctcgt 180
ccatcgccct	ctgcacatcc tgagtcacat gcacgcactc catcagcggc aggcgcacgg 240
ngtgggtccc	gttcagtgac acgacgcaag ctgggggtgtc cgggggtggc tctagcaagg 300
cnatgactgc	ct 312

<210> 1234  
 <211> 151  
 <212> DNA  
 <213> Homo sapien

<400> 1234	
ccggccgcgg	gcataaaagg cgccagggtga gggcctcgcc gtcctctccg cgaatcgag 60
cttctgagac	cagggttgct ccgtccgtgc tccgcctcgc catgacttcc tacagctatc 120
gccagtcgtc	ggccacgtcg tccttcggag g 151

<210> 1235  
 <211> 250  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(250)  
 <223> n = A,T,C or G

<400> 1235		
ctgcaccttn	gggcntnttt ctttttaatt attcttctc tgactttgta tcccttaata 60	
cctacactct	ccaattgtaa gagaaagggg gcagggaagc aatatanctt ccattctaag 120	
gctgtattcc	cgttatgaat tactagctga ttacagttca nagcattgat cctggaatgt 180	
gtgctggana	aattttaaata actgggggtt tttgtttaat ggtgcctgtt tagagttgga 240	
agttgaacag		250

<210> 1236  
 <211> 154

<210> 1240

<211> 358  
 <212> DNA  
 <213> Homo sapien

<400> 1240  
 cctttatgga tgaaagtacc cagtgtcttc agaaggtgtc agtacagctc ggaaagagaa 60  
 gcatgcaaca attagatccc tcaccagctc gaaaactgtt gaagcttcag ctacagaacc 120  
 cacctgccat acatggatct ggatctggat cttgtcagtg actttatgag agtttctgcc 180  
 acaaggtgcc caagaggaga ggaatgggaa gagtgtccca gcacgtgggt actgcgtgat 240  
 ttctgctcra tgcctttmts atamstgacc aactgasgg cgaattmcag cactgtggcg 300  
 gccgttacta gtggatccga gctcgttacc aagcttggcg taatcatggt catagctg 358

<210> 1241  
 <211> 194  
 <212> DNA  
 <213> Homo sapien

<400> 1241  
 ccaaaggttc gtaatgccat ctctgcacca atctctctcc ccatagcaat aagggcaatc 60  
 ccagaacag ccaactccctg atgtgtctcc atgtcagcag gggcttcctt cttgtccttg 120  
 tctttctttt ctttcttctc tttgtcttcc tcttctctt tggagtcaaa gtgttcgcta 180  
 caaatgtgga gcag 194

<210> 1242  
 <211> 316  
 <212> DNA  
 <213> Homo sapien

<400> 1242  
 ccttgttctc actgccctct aagggaactt ggtaactcgg cacttttaag cctcagtttc 60  
 tccagttcaa taataaggac aagagctttt cccatgcatt ctctttcccc gggaaagttg 120  
 actgaggtga ccagtaatag aattgaaaag ggagagtgtc ttcagtgcaa tgtggcatcc 180  
 tggattgggt cttggaacaa aaacaggaca ttagtgggaa aattggaaat ctgaaaaaag 240  
 tctgaatttt agttaatata ccaatttcag tctcttgggt ttgacagatg taccatggtg 300  
 atgtaagatg ttgacc 316

<210> 1243  
 <211> 275  
 <212> DNA  
 <213> Homo sapien

<400> 1243  
 aaaagggtga tgaaagtatt atgtataata ttataatggt aaatatgtga tatgaatttg 60  
 ttgaaatcaa cagaatatac agcataaagg gttaattcca attcacaaaa atataaataa 120  
 ataggagatt aggaattcca ggatagaatg cagacaatat agaaaatatac taatgtcatt 180  
 acaaattgat gaaatcagaa gaggtgccaa gtgacctcag aaatagtgtg gtcaataaaa 240  
 gaataaagaa agtgcacgtc agaactgtac cccag 275

<210> 1244  
 <211> 235  
 <212> DNA  
 <213> Homo sapien

<400> 1244

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<210> 1245
<211> 640
<212> DNA
<213> Homo sapien
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```
<220>
<221> misc_feature
<222> (1)...(640)
<223> n = A,T,C or G
```

<400>	1245						
ctgatgatgt	tccacaaaag	agcaaaacat	acacaatctg	gttccactct	acagaaatcc		60
tggaactgga	ctacaaaggg	aatagacagg	gtgtggcagg	agggggttcc	tcacggttgg		120
agtgcgaggt	tagggacagg	aatagaaggy	aggtaataaa	cattcatgtg	gtattaacag		180
ggcagatgtg	tcaatrtatt	tscaagttta	gcataatata	gggtataaaaa	ttaaataaaa		240
atagtttaka	tgtgtgtgta	tatatgggtt	aatacacaac	acatacctcc	tagagtcatt		300
acctgagagg	ttctacaaga	aaagacagca	aattaacaaa	aaatacaccc	agaatcaaga		360
tttgagtttt	ggttcctttc	atagcagaat	ggtatgcaac	atttccttga	aaaatggcta		420
atcctagggc	ttggaaagag	aatataggag	taaagtctac	aattttctcat	ggtaccaga		480
aaataagaaa	gggtttccaaa	atgaagaatc	gctccttttg	caaaccttat	ggtaacaaat		540
ataatattta	taaaaagtga	attangtaat	atgttaatgg	agaaataaac	atcattatga		600
aatgctatct	taacaaaaaa	targagaaaa	twttagtttt				640

```
<210> 1246
<211> 509
<212> DNA
<213> Homo sapien
```

<400>	1246						
aaactttcaa	agaatcactt	ttaggccttac	aaaaataaat	atttgtcaaa	atgttcaata		60
aatattacat	aaaactagca	gcaaaaagta	tctagaaatc	tgtcgtgtgc	aaatagtttt		120
cttcccaact	atcattccca	tggccccaaa	taaattttag	aatctagtc	catccccttc		180
ctagacaagc	tgcgttcaac	aatctccaag	agacaaaagta	agattggaag	tttaaggaca		240
cgcacacaag	acatatatat	aaaattctct	gaatgtgcaa	taaaagaagt	actttgtaaa		300
aagtattggg	caaaatgtac	aagggcctaa	acctagacta	attgaaatag	caccataaca		360
aatgacctca	atactgtcaa	gtgcacctac	ttaataaaaag	ttttagaaca	aggcacaata		420
cacttgaaaa	tctattgcac	tttaggaaat	ttttgccgtc	ttcctatgcc	actgtaaaaa		480
gatggagcgt	tttgatcacc	gcattctgg					509

```
<210> 1247
<211> 310
<212> DNA
<213> Homo sapien
```

```
<400> 1247
catatgtgga actattcttg gaaagtctac aaagtgaaat ctatcgagtt atttctcatt      60
tgcaaaagtga tcctttgagt catttctcat aatctataat ctgaatgtta atactgatat      120
ttttaaaagc cctatactcc aacagaccag gccactctaga tatttcagcg tgggtgtctca      180
ggatgaagtaa acaaacacgct aaaaatatat gacttatgta aactagaagt acaggagtta      240
```

ctagcttttc tgaaagggat atattctaag tattttttct taaaaaaaaa aaaarggggg 300  
ggggggggtt 310

<210> 1248  
<211> 640  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(640)  
<223> n = A,T,C or G

<400> 1248  
aaagatataa aactatggag aaaactgcta aagggtatcc ctgaccttta tgatgatgca 60  
gctattttcg aggccaaaaa atcatttttac tgggcaagaa aaacatctca ttcctttgtc 120  
gtgaatatcc ttgctcaggc tctttatgaa ttattttctg ccacagatga ttccctgcat 180  
caactaagaa aagcctgttt tctttatttc aaacttgggtg gcgaatgtgt tgcgggtcct 240  
gttgggctgc tttctgtatt gtctcctaac cctctagttt taattggaca cttctttgct 300  
gttgcaatct atgccgtgta tttttgcttt aagtcagaac cttggattac aaaacctcga 360  
gcccttctca gtagtggtgc tgtattgtac aaagcgtgtt ctgtaaatatt tcctctaatt 420  
tactcagaaa tgaagtatat ggttcattaa gcttaaaggg gaaccatttg tgaatgaata 480  
tttggaactt accaagtcct aagagacttt tggaagagga tatatatagc atagtaccat 540  
accacttata aagtggaaac tcttggaacca agatttggat taatttggtt ttgaagtttt 600  
tgnatataa atatgtaaat acatgcttta attgcaattt 640

<210> 1249  
<211> 1108  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(1108)  
<223> n = A,T,C or G

<400> 1249  
caaaataaat ttcaattcaa tgaaaagtaa ataacttagg gatctataaa tgacactgca 60  
atgtatcttg ttccattttt aacaggaagt ccttcatgca aatgtgtgag tctcccagga 120  
tgcatgaagc tccagccttt tcgtggtgac tcaatagagc aattgtacct taaaaatktg 180  
caaccacctc cctgaaagtc ttctcccacg ttattaagtg caatgyttat ggtaaatgta 240  
gaagcatcat gatgaggacg aagagaacgc tgtcgttcag gggagtattt tactacaaaa 300  
ttcagtagtg caaatccctt cgtataatag cctgcaaaga ccttcagtgt aactgggtgca 360  
atgaactccc ggataaaatg aagccatata ttctccagat caacttgctt catgtggata 420  
tcatcagttg ggacattttc ataaccacca gatatacggc tatcatgatg tttttcccca 480  
gaccatttgc cgtaatgttc catttcttct accaattcat cacaggnctt tttcagaaaa 540  
tatggggaac cmaaaagaca tctggacagg gctgttcaam ctatattttc agtgaaaatc 600  
tttgaataat ccmcggttta tatacttttc cttccagtc acaggatttt caaaaatctg 660  
ccagaggcca ttgttataat gggaagtatt gtaattagca gtggataata gccttccaaa 720  
ttcatgtcta ttagaaatgt acataaatac accctttggg gggctgagca tttggaatgt 780  
ttccggagta ggggagtcct tttccctttg taaagtcatt tctctagcat ttccggcaaag 840  
agccatatca ggatccagtt tatcacgaac aaaatatgct ctttcattca totctgatcg 900  
gagtgtcctt cctttaatta agtacacatt agccatatat gggacattcc atactcctac 960  
tctattccct tgaacaatat ccacataatc ttcagatcgt gcatagtatc catcaggact 1020

caatgctccc cagaaattgg accacagctt tccatgacga gttacaagag gagcaatgat 1080  
ctttctgttt tggtcaatca aaatTTTT 1108

<210> 1250  
<211> 567  
<212> DNA  
<213> Homo sapien

<400> 1250  
ctgaatattg aactggaagc agcacatcat taggcTTTT gactgggtgt gtgttgtgtg 60  
tatgtaatac ataatgttta ttgtacagat gtgtgggggt tgtgttttat gatacattac 120  
agccaaatta tttgttggtt tatggacata ctgccctttc attttttttc ttttccagtg 180  
tttaggtgat ctcaaattag gaaatgcatt taaccatgta aaagatgagt gctaaagtaa 240  
gcttttttagg gccctttgcc aataggtagt cattcaatct ggtattgatc ttttcacaaa 300  
taacagaact gagaaacttt tatatataac tgatgatcac ataaaacaga tttgcataaa 360  
attaccatga ttgctttatg tttatattta acttgtattt ttgtacaaac aagatttgtt 420  
aagatatatt tgaagtttca gtgatttaac agtctttcca acttttcatg atttttatga 480  
gcacagactt tcaagaaaat acttgaaaat aaattacatt gccttttgtc cattaatcag 540  
caaataaaaac atggccttaa ctaaaaaa 567

<210> 1251  
<211> 655  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(655)  
<223> n = A,T,C or G

<400> 1251  
gaaagaaacc aatttaaatgc caccaaaccat aagcctgcta tacctgggaa acaaaaaatc 60  
tcacaccta attctagcag agtaaacgat tccaactaga atgtactgta tatccatag 120  
gcacatttat gactttgtaa tatgtaattc ataatacagg ntttaagggtgt gtggnatgga 180  
gctaggaaaa ccnaaggagn aggaaattat nnaaaagaac tgnaggtnaa gtataaagtc 240  
atatgcctga tttcctcaaa ccttttggtt ttcctcatgg cttctggctt tatattttta 300  
tcacaaaacca agatctaaca gggntctttc tagaggatta ttagataagt aacacttgat 360  
cattaagcac ggatcatgcc actcattcat ggggtgntcta tgttccatga actctaatag 420  
cccaacttat acatggcact ccaaggggat gcttcagcca gaaagtaaag ggctgaaaaa 480  
gtagaacaat acaaaaagccc tcgtgtgggg ggaactgnng gctcactctt acttggcctt 540  
cattcnaaac aggttgggnc tttcntgcga ngatctctca gggnggtaaa aactttntgg 600  
ntttcaacan aanaggtttg gntgaatgat tactcggcng acacctaagg gatcc 655

<210> 1252  
<211> 672  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(672)  
<223> n = A,T,C or G

<400> 1252

```

aaantgcaaa aaccacagaag accaataaatt ctgaaacttg gcatgagtgt gccagtcag      60
cagcttgcaa agagaggatg tgtcagttac tacaattgct gtactccttt agctgagtc      120
ttcaactttc tccttcttgc cagtaaatac tacgttgtaa ttcatatgac tgagatctta      180
gtatcacagg attttttagct cccatgcctc cttcaaaatt gtttacatgg atttgtttct      240
attctctgta ggccatatct caaacacatt cacttctaaa tccaacacaa gtgaaggacc      300
agccaggatg aaacacttca gcaatcattt tgttaaaaat aacatcctgg tcatcaagct      360
aagcataagc acctcttgta taacaattca tcttaaaaagc ttaaagtaca ataataaaaa      420
taactgcctg aaaactggaa atgaaataca acagaaaaac tgaagcatta gtaatttttg      480
caagtaaccc aggtacagta catttgattt catagagggt gttttctgat gtttaaggag      540
agggtagaag gggtaggaaa acttggaag gaagatggaa acagcacaac cagttatttt      600
gcttttaata aagtaaattg aatgacagga gtagggagggt gacaaacaca tcnatatata      660
tttttcttat gg                                         672

```

<210> 1253

<211> 644

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(644)

<223> n = A,T,C or G

<400> 1253

```

ccaaatattt gttagaaact tctggttaact tagatggctt ggaatacaag ttacatgatt      60
ttggctacag aggagtctct tcccaagaga ctgctggcat aggagcatct gctcacttgg      120
ttaacttcaa aggaacagat acagtagcag gacttgctct aattaaaaaa tattatggaa      180
cgaagatcc tggtccaggc tattctgttc cagcagcaga acacagtacc ataacagctt      240
gggggaaaga coatgaaaaa gatgcttttg aacatattgt aacacagttt tcatcagtgc      300
ctgtatctgt ggtcagcgat agctatgaca ttataatgc gtgtgagaaa tatggggtga      360
agatctaaga catttaatat tatcgagaag tacacagaca ccactaataa tcagacctga      420
ttctggaaac cctcttgaca ctgtgttaaa ggttttgagg atttttaggt agaagtttcc      480
tgttactgag aactcaaagg gttacaagtt gctgccacc ttatcttaga gttattcaag      540
gggatggagt agatattaat accttacaaa gagattgnag anggcattgaa acaaaaaatg      600
yggactattg aaaatattgc cttcgttctg gcggagggtt gctc                                         644

```

<210> 1254

<211> 438

<212> DNA

<213> Homo sapien

<400> 1254

```

aaagggcatt tgaggggagg attattgcta tgaatgaaaa aaatatTTTta gcttagacta      60
agctacctgc cttcaaaata gtttagggac caccaccata ttttattttg tttttatttt      120
tgaacatttt tctaattgatt tggagagaaa actattttaca aaaattccac atatcagtga      180
tacaatttct tgctgtcacc aattttttat aatagcagag tggcctgttc taagaaggcc      240
atatttttta agttatcttt cagggttaaca tggaaatact ataaagttgg atgtcaaact      300
ttaatatgtt ttcagtgttc tctaattttt tggaaatttt gtagacttta cacctggaaa      360
aaaagatttg taaaatcacc ggaacaattg tgtgctttat tttataggta gtggttatta      420
gtattacatc cccatttt                                         438

```

<210> 1255

<211> 519

<212> DNA

<210> 1259



<211> 159  
 <212> DNA  
 <213> Homo sapien

<400> 1259  
 aaaattttaca gataaaggca gttcaatact gccactgaga agtacatctc ttaacatata 60  
 caacttttcag gccacagttt tgaaggctctg aagtattaag ttggtttgat gaattagtcg 120  
 gttggcactt acgaacacat ttattgcctt gccatcttt 159

<210> 1260  
 <211> 115  
 <212> DNA  
 <213> Homo sapien

<400> 1260  
 aaaaatacta taattttcaaa acttccaaat ttcaacagat gccagtgttc tctccttttt 60  
 tcatatggga aaattttcttt caaaattatt tgacgcttgg acaaaaaattc cacag 115

<210> 1261  
 <211> 280  
 <212> DNA  
 <213> Homo sapien

<400> 1261  
 aaaatattgt ttatctttat ttatttttgtg gtaatatagt aagttttttt agaagacaat 60  
 tttcataact tgataaatta tagttttgtt tgttagaaaa gttgctctta aaagatgtaa 120  
 atagatgaca aacgatgtaa ataattttgt aagaggcctc aaaatgttta tacgtggaaa 180  
 cacacctaca tgaaaagcag aaatcggttg ctgttttgct tctttttccc tcttattttt 240  
 gtattgtggt catttcctat gcaataaatg gagcaaacac 280

<210> 1262  
 <211> 144  
 <212> DNA  
 <213> Homo sapien

<400> 1262  
 aaattatttg atgagttcca cttgtatcat ggccctaccg aggagaagag gagtttgtaa 60  
 actgggccta tgtagtagcc tcatttacca tcgwtgtgat tactgaccac atatgcttgt 120  
 cactgggaaa gaagcctgtt tcag 144

<210> 1263  
 <211> 487  
 <212> DNA  
 <213> Homo sapien

<400> 1263  
 aaacatcttg ataatttggt gttgagagct gttcattcta aaatgtaatg aaattcagtc 60  
 tagttctgct gataaagatc atcagttttg aaaggttact gattttcctc ttccctctta 120  
 gttttttacc caatatatgg agaagagtaa tggccaatct taacattttg ttttaattgt 180  
 ttaataaagc tgctgggcag tgggtgcagca ttccctaccta gtgtcataaa agcaaaatac 240  
 ttacatagct ttcttaaaaat ataggaatga cattacattt ttaggagaaa gtaagttgct 300  
 ttgcacgcc tacttaattc ttttccatat attgtgatac aaacttttga atatggaatc 360  
 ttactatttg aatagaaatg tgtatgtata atatacatc atacataagc atatatgtgt 420  
 gtgtgtgtgt gtatatatat atatatgcat gctgtgaaac ttgactacac aacataaatc 480

487

<211> 250

<212> DNA

<213> Homo sapien

ctgcttcaac	agagtggcag	caaccaagct	ggagtccaag	ccccctgata	aaaggcagcc	60
aatccttctg	tctgtcatca	aacgtttctt	tacagcatta	ttaaaaagga	tcctgagggt	120
gttctttcaca	gtttctatct	caaaacctgg	aaagagtttc	tccacattgt	catagagggc	180
gtgcaggggg	tcatcccgac	agtgatgata	tttaaccatt	tccaagggatg	caactttgcc	240
atttgacttt						250

<211> 394

<212> DNA

<213> Homo sapien

aaatatttgt	tccaaccttt	ttcgttggtg	gcatttatgg	cttggagca	ctgtcaggcc	60
catgttcatt	accgtgagct	cctgtgcac	tcctaatttc	caaactagcc	tggaaaacgc	120
ctccattgac	catgattggt	tcatggctct	gtgcatggaa	catcatatgt	tcaggggagat	180
aaagaactct	gatagtggca	cctgggtaaa	aagtacaatc	cattatatct	ggatatcaag	240
atcttttgca	gttgaagaca	ggtatttgcca	cagagaaaat	tataggagca	gaagaaagtc	300
aatgaaagtc	aatgatgaca	ctccattagg	aaccagaaag	atggtattta	tttatacata	360
taataaggtct	aagagattag	acgaaacctg	tcac			394

&lt;211&gt; 229

<212> DNA

<213> Homo sapien

ccacagttgt	atcatatagc	atctctaaca	tttcatctag	gattatctag	tatagatctt	60
actatatattg	gggctatgtt	gtatacaatg	ttaacaagaa	catatctttct	ctgcatatat	120
gtgtgaatta	taaagaaaag	catgagaatg	actctaagtt	caacaaacat	gggtgaatct	180
ctatgtgctc	ccagtgtcct	ggatgggctc	cccagcaagc	cattcctcc		229

<211> 722

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$ 

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (722)$ 

<223> n = A, T, C or G

aaatcttatac	aacttttccaa	attttcatac	taaaatatat	tattgtatta	atacaaaacta	60
cagtattata	cactacactg	tgtaataaat	aaagaaatat	aaaaataaga	cacataaata	120
taaaagtttt	ctaaaactaa	aagcacatat	gtcagtaaga	agggtattaa	tactgccagg	180
tttgaagaca	tacagtacaa	aaatgttgca	cagatctata	aactaaaaga	aataaaaataa	240

tactgatagg	taaaaatcag	ctaattgttgt	taataaattg	ggtccataat	aactaacatt	300
tggaacacgt	tatgagccaa	ataacaatag	catgtccatg	tctgaaatgc	aagtacatgg	360
ataaagcaga	ttagaaaatt	tccctttcgt	ttctgtagag	aaattctgaa	aatcaatcaa	420
cataaaatca	ataccgagga	attgaaggat	gaaatgtccc	agtgtttcag	tttctctgac	480
agagtcagtg	gttttaagtt	ttatttggga	attttgatac	aagagacaaa	tcaacaaatg	540
ctagttattg	taggccacac	attggatgaa	ggcgggtag	agccttgaaa	atactgagaa	600
atggcactta	cagcacacag	gtcttgctta	agggcaaagg	agatacaaag	cttcatgnca	660
tatccttcat	atggtaccac	atattcaaac	accatcccaa	cactgatctg	atgattttgc	720
tg						722

&lt;210&gt; 1268

&lt;211&gt; 407

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1268

gatgacacaa	gcagctaata	accatthctg	ggthctgccc	taacccccc	attgtctgtt	60
aaagccaatt	ctctgggtgt	cccagtgagt	ggthgcttht	thctthtcca	cattggcaca	120
thcactthct	ccactcttgg	catgtaagaa	ataagcattt	acataattgg	aaaaatctgg	180
atthctgatg	ccaaagggtt	aaagctthct	ggattthcatt	thcattgatat	acagccacta	240
ththththth	gatcagtggt	ctthgggcca	ctgttcaggg	tactgacct	cagtgctcagc	300
attagggtth	tggththtgt	thctththgg	tattthctth	thggcacatg	tgaatcttgt	360
ththgtgtaa	atgaaattac	thctctctgt	thctctgatg	tgggtth		407

&lt;210&gt; 1269

&lt;211&gt; 675

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(675)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1269

ctgaaaaaga	gtgatcctca	atatcctaac	taactgggtcc	tcaactcaag	cagagthtct	60
thcactctgg	actgtgatca	tgaaacttag	tagaggggat	tgtgtgtatt	thatacaaat	120
thtaatacaat	gtcttacatt	gataaaattc	thaaagagca	aaactgcatt	thththctgc	180
atccacattc	caatcatatt	agaactaaga	tattthctca	tgaagatata	aatggtgcag	240
agagactthc	atctgtggat	tgcgttgtht	ctthagggttc	ctagcactga	tgcctgcaca	300
agcatgtgat	atgtgaaata	aaatggattc	thctatagct	aaatgagthc	ctctggggga	360
gagthctggg	actgcaatca	caatgccaga	tgggtgttht	gggtattht	tgttaagtaag	420
tggtaagatg	ctatgaagta	agtgtgttht	ththctctct	atggaaactc	thgatgcatt	480
tgcctthtga	tggataaat	thtgggtgca	tatgatgtca	thcaacttht	cattgaattg	540
aaatththgg	tggattthata	tgtattatac	ctgtgcacgc	thctagthtgc	thcaaccatt	600
tataccattt	tgnacatatt	thtaactgna	aatattthacc	tgncccggtc	ggcgtgcgaa	660
agggcgaaat	tcaac					675

&lt;210&gt; 1270

&lt;211&gt; 268

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1270

```

ccatcctggg cggagctaaa gttgcagaca agatccagct catcaataat atgctggaca      60
aagtcaatga gatgattatt ggtggtggaa tggcttttac cttccttaag gtgctcaaca      120
acatggagat tggcacttct ctgtttgatg aagagggagc caagattgtc aaagacctaa      180
tgtccaaagc tgagaagaat ggtgtgaaga ttaccttgcc tgttgacttt gtcactgctg      240
acaagtttga tgagaatgcc aagactgg                                     268

```

```

<210> 1271
<211> 307
<212> DNA
<213> Homo sapien

```

```

<400> 1271
cctactcttc tccgtccatt gtactatctg cccgtggtgg ggatggcagt aggatcatat      60
ttgatgactt ccgagaagca tattattggc ttctgcataa tactccagag gatgcgaagg      120
tcatgtcctg gtgggattat ggctatcaga ttacagctat ggcaaaccga acaatttttag      180
tggacaataa cacatggaat aataccataa tttctcgagt agggcaggca atggcggtcca      240
cagaggaaaa agcctatgag atcatgaggg agctcgatgt cagctatgtg ctgggtcattt      300
ttggagg                                           307

```

```

<210> 1272
<211> 798
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(798)
<223> n = A,T,C or G

```

```

<400> 1272
ccattgctag aaattgaatc acaaataata gctaataatt tttcattttt caaaaaagat      60
catttggata gcagctatgt ataaaatgga aaataaaaaa ttattctatt ttgcatgaat      120
agttcagact ttcccatacc acagccaagc agtaactaaa attaggatct taattttcaa      180
tgataaaagg tctaaggttc atttaattat gtccttttaa cactgtcttt ctagattttt      240
caccagtat tttcaaaatt tgggaatgta aacaattgat atatttattg tatgttggct      300
agcagttcat cttctgcaa aatatgcatt cagagaaatg tgaagcttgt tttaatgaag      360
acttaaacca tttgtgtcat ttgtgttttc atattcaaat acaccaaatt aaaattctga      420
acctatattt ttcattatta acttccta ataccagaac atataccttt ttcattgtaa      480
gttggcaatg ggatatggca gttttatttt tgaaaaatat gtaacatgac tttaatattt      540
ttatagtttt cagaattaga aacataggaa gggaaaatgt tttaattaga taagtcaact      600
ttttatgggc tgnagtggng actataatag caaattataa agcattatta aatgggtata      660
ataattttta tattacctca ttatgaatta actaaaataa agnggagtga tatttttaat      720
gggtgntcat actggagctc ctgagatata tgatttgcta ttgactcact ggntgattga      780
ataatatatt actgcgag                                     798

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<210> 1273
<211> 664
<212> DNA
<213> Homo sapien

```

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<220>
<221> misc_feature
<222> (1)...(664)
<223> n = A,T,C or G

```



```
<400> 1280
aaacacatac gaagaaatca actgtgatta tgaagtggca gccagctaaa tatgtcttgt      60
atttgccttc ttcttttttt tgcttaactc atcctttact tccattcctg cttccatggt      120
```

aatgcaggct	caaataaatt	actaggatac	aagattactt	caagcctctt	ttctgtggaa	180
ctcataatat	gataagcatt	tgttacaaga	ttgcctgtag	ttgtttaggg	gataaattat	240
attagggaaa	gaaagtcttt	ctttagttgg	ttaaattttc	tattataatt	gggtactaaa	300
tttatttt						307

<210> 1281  
 <211> 235  
 <212> DNA  
 <213> Homo sapien

<400> 1281						
aaaatatattt	aatagttaca	tagcacttta	gtttgctgat	ttaattttatc	ccaagggaca	60
aggatgttaa	tgagaaaact	gactagattt	cagatcacag	attttaagag	aacaaggatc	120
tcaaaaccaa	ataccctctg	cttaaagtgt	tttttgtgtt	tttcactact	gaaaatgttt	180
agagattgac	ttacctattg	ctgatactca	aaacatctga	tatcttaata	ttttt	235

<210> 1282  
 <211> 230  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(230)  
 <223> n = A,T,C or G

<400> 1282						
aaagaatttc	tttataagat	tkactgtmta	agattaatag	cattcgaaga	tccccagact	60
tcatagaata	ctcagggaaa	gcattttacct	csgtcgctga	ccackctarg	ggcsawggcc	120
agcacactgg	cggccgttac	tagtggatcc	gagctcggta	ccaagcttgg	cgtaatcatg	180
gtcatagctg	atttctgtga	ggtaccagat	tgctgtagt	tgtttagggg		230

<210> 1283  
 <211> 638  
 <212> DNA  
 <213> Homo sapien

<400> 1283						
aaacacaaca	gctataaacc	tgaacacata	tgctatcatc	atgccataag	actaaaacaa	60
ttatatattag	cgacaagtag	aaaggattaa	atagtcaaat	acaagaatga	aaaacgcagt	120
acatagtgtc	gcgaactcaa	atcggcattt	agatagatcc	agtggtttaa	acggcacggt	180
tttgcttata	aaaaaagtgc	aaaaaagatg	tggtttacaa	gttaaagcta	cagaatccct	240
ttttgctgta	attgcaccag	ttttaaagcc	tctggacaga	gcagtatttc	gtttaaaact	300
ttgttyttct	taaaagctta	cagtgttttg	ctaattctcc	tcyccttttt	acaagacggg	360
ggccggaggg	tggacactgg	tggcaggtta	agggatactg	tcactttaag	aagcctgcag	420
attgaagtgt	aaacatggag	aaattagggg	ctgatttttt	aaactgtgtg	agatattaac	480
cagccgccct	gttataaaat	caggaaatcc	aaacagcgat	ttacaccgat	taacaccccc	540
tttatatatt	ttttacaaaa	atacactgag	aaaataatca	aacgttttca	tctctcttgt	600
ctttttttgt	tttttaaaag	tgtcaaaagt	ctacattt			638

<210> 1284  
 <211> 745  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(745)  
 <223> n = A,T,C or G

<400> 1284  
 cgacggtatc gataagcttg atatcgaatt cctgcagccc gggggatcca ctagttttga 60  
 atttacacca agaacttctc aataaaagaa aatcatgaat gctccacaat ttcaacatac 120  
 cacaagagaa gttaatttct taacattgtg ttctatgatt atttgtaaga ccttcaccaa 180  
 gttctgatat cttttaaaga catagttcaa aattgctttt gaaaatctgt attcttgaaa 240  
 atatccttgt tgtgtattag gtttttaaat accagctaaa ggattacctc actgagtcac 300  
 cagtaccctc ctattcagct cccaagatg atgtgttttt gottacccta agagagggtt 360  
 tcttcttatt ttttagataat tcaagtgcct agataaatta tgttttcttt aagtgtttat 420  
 ggtaaactct tttaaagaaa atttaatatg ttatagctga atcttttttg taactttaaa 480  
 tctttatcat agactctgta catatgttca aattagctgc ttgcctgatg tgtgtatcat 540  
 cggtgggatg acagaacaaa catatttatg atcatgaata atgtgctttg taaaaagatt 600  
 tcaagttatt aggaagcata ctctgttttt taatcatgta taatattcca tgatactttt 660  
 atagaacaat tctggcttca ggaaagtcta gaagcaatat ttcttcaaata aaaanggggt 720  
 taaactttaa aaaaaaaaaa aaaaa 745

<210> 1285  
 <211> 190  
 <212> DNA  
 <213> Homo sapien

<400> 1285  
 cgacggtatc gataagcttg atatcgaatt cctgcagccc gggggatcca ctagttatta 60  
 atagtaatca attacggggt cattagttca tagcccatat atggagttcc gcgttacata 120  
 acttacggta aatggccgcc accgcggtgg agctccagct ttgtttccct ttagtgaggg 180  
 ttaattgcgc 190

<210> 1286  
 <211> 153  
 <212> DNA  
 <213> Homo sapien

<400> 1286  
 ctgcatcttt ctacaattct accagcaata tatgaggggt acaatttctc yccatctttg 60  
 tgaacgcttg ttagagtctg tctctttttc ttccattctg tgggttggt tttactttc 120  
 taaatggtag aaccttcaaa gcacaaaggt ttt 153

<210> 1287  
 <211> 232  
 <212> DNA  
 <213> Homo sapien

<400> 1287  
 aaaaacacaa aacactagaa cagttgctat gaaattactg ataatgatcc ctttaataaa 60  
 ctgcaattaa ccactaatat agaaattcaa ttttaagcaag aagttttata tattatactt 120  
 tacagaaaaa aataattttg aaaaagtaat gmcaaacaga gatcaaacat ttagggcatt 180  
 agttactgca ttctcttttt agaatatata ttaagtaaca ctagtaaaat tt 232

<210> 1288



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<210> 1292
<211> 295
<212> DNA
<213> Homo sapien
```

<400> 1292  
 aaatatacct ttattttctca aactcaaagc tttatcaagt tctaacacat tttgcattga 60  
 caagtgattt tatctgcatc aagtaagggt agtgaccacc acgaaagagg aatccccaga 120  
 cctcctaggc actaagaaat atttcaaagg ctatgcaaata atagaacaaa aagctttcaa 180  
 tttagtctaa ttgggtatcta tttttcatct atattaattt ggaaataagt tgctacctta 240  
 gaaaaattac atttttatcc attaaaataa aacaccagat aggttgagtt ttttt 295

<210> 1293  
 <211> 256  
 <212> DNA  
 <213> Homo sapien

<400> 1293  
 agattcactt caaagtgaaa atgacaacac atctcaagaa actcaaagaa tcatactgtc 60  
 aaagacaggg tgttccaatg aattcactca ggtttctctt tgagggtcag agaattgctg 120  
 ataatacatc tccaaaggaa ctgggaatgg aggaagaaga tgtgattgaa gtttatcagg 180  
 aacaaacggg ggggtcattca acagttttaga tgttcttttt attttttttc ttttccctca 240  
 atcctttttt attttt 256

<210> 1294  
 <211> 90  
 <212> DNA  
 <213> Homo sapien

<400> 1294  
 aaaatactta gctttattaa agacatggta ctaaaaataa cagattccaa catttgctct 60  
 atttctactt atatatcata aataagacag 90

<210> 1295  
 <211> 519  
 <212> DNA  
 <213> Homo sapien

<400> 1295  
 ctgtcgcttt atcagtgcta tattttatctg gaatatagag gctcctttta ctgtttttta 60  
 ggtgctttgt gctaaggatg aagatacaat tcctcagctc ttggtagact tttgggaagc 120  
 tcagctagtg gcatgtctcc cagatgtggg acttcaggaa ctctttttca aactcacatc 180  
 acagtacatc tggagattgt ctaagaggca gcctcctgac accacaccat tgcgaacatc 240  
 ggaggatctt attctcctgg tcattccttg gtagatattt ggaataaaaat aatcacactg 300  
 actgtgattg ggtagatcac attccatatt ctctgtgag tctcagaaga tgcttcattt 360  
 tgtagaacgg tgtaagtggg ttccattcca gcatgaatgt ggtcgggtcac atggcagtg 420  
 agtaacaaa ttccagggtg tcttggaac atttctaggg tttgggtatgt tccagggaaa 480  
 atgtcaaaga catcagaact ataaactccc ctgtgcttg 519

<210> 1296  
 <211> 419  
 <212> DNA  
 <213> Homo sapien

<400> 1296  
 aaagcaaaca gcagaaacca gaagcttctg accctctaac atgtattact gtccaaccca 60  
 ccatgagaag tatgttctact tgggtgacaac aaagagactc cgtatcatat gtatgttaat 120  
 gaccagattg ttcatatggg atttttctta acagattatc aggttgagaa tgattctttt 180  
 tctccaaggg caagaaaaag ctggctaaat gctagttaat taaatccatt ctcaattttg 240

aactgtagag	aagaacctga	cttgaatgag	atcttctaaa	ggaagacatt	tcttgctcaa	300
cctcaggtat	aattagatta	taaggaatct	cacgtccaga	atcttatctg	ctgattgtta	360
gtatggtagg	taattggcct	taggacacta	tttctactag	aaccctttac	attatTTTT	419

<210> 1297  
 <211> 199  
 <212> DNA  
 <213> Homo sapien

<400> 1297						
caggtctgaa	gattttacat	gcagatacca	gataccttaa	cttgtatttc	tttagtcac	60
ttttggcttg	gaagtttcct	ctgttgtctt	tgctgaatcc	ttcgctttac	ctccattctt	120
aggtgctttg	gagctggaag	cagccttctt	gcacttatcc	tttgctgtgt	tctgtgaggt	180
ttctgtagt	gagggacag					199

<210> 1298  
 <211> 484  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(484)  
 <223> n = A,T,C or G

<400> 1298						
aaatacactt	gaaaagtaaa	atgtttttct	agctttttccc	tcagggcgta	acaccacacc	60
attcataaca	atgctatttt	ccaaagggtt	caattagatt	tcctcagaag	catacctgaa	120
ctgttaatca	ttacaactcc	tttgtgaaac	atgggactgg	ttgattacc	agtgtaatca	180
ctggctgaaa	cctcagcaca	ctgtttttca	ccccagtgg	ggcagggttt	cacctcccct	240
ctagctgtac	ccctctctta	atgcccata	tagagaactg	tgatcttctt	tctccactag	300
aaatgttcac	tttcatcag	taagggtata	aacaaaaaca	agagacagaa	gatcttaaaa	360
aaaaaaatag	taatagggca	agtaaaactc	gtgagggttag	aggaatttgt	ttgggggggca	420
ttctatgttg	ttagytncat	atcatgttca	gtttgntgg	tctaganccc	tctgaaatgc	480
atta						484

<210> 1299  
 <211> 419  
 <212> DNA  
 <213> Homo sapien

<400> 1299						
aaagtccatc	tttgcaaatt	atacgttgct	ataaatacat	tgtgtatttg	gcattatgtg	60
aatttgttta	atccagtgtc	aattgtctaa	tgggtctaaag	tgtcccattg	aagttataat	120
ctggatgaac	tgaacaataa	gagaagtttt	cttcattagc	ccaattgttt	atcactcaat	180
tcctactcct	gcccatgggt	tcttccacct	tcctctggag	aacataaaga	gattctagat	240
ctctgtataa	ggtgggttgc	tttagcttga	aatcatcagt	gaggattata	catgggcaat	300
gtccagaaat	cacattattg	ctcatagacc	gtgtagtctt	gatctaacgg	ataactgtac	360
attgtcttca	ctaagaagct	agggtggttg	tccttgatat	tgggacattg	tagacttgg	419

<210> 1300  
 <211> 182  
 <212> DNA  
 <213> Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(182)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1300

ccntngaatt	gtgtgcatag	ggaagcactc	acccaatgag	actttctcca	atgtggactc	60
tgtgtgtcag	ggaatgaatg	tagaaaaatt	cactttggag	ggttatcaka	tcaactagta	120
agaagcatta	atattattaa	agtgaagaaa	ctgcagagaa	aattacagaa	caaaactgta	180
gg						182

&lt;210&gt; 1301

&lt;211&gt; 312

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1301

aaagttttta	tctctgctga	ggcttcacat	ctgtttgctc	aattttatth	ttattttcaat	60
ccttgagcat	gtttataata	tagtagtata	cccttattgt	ggctttactt	tcctcacttt	120
cagtcaccca	cagtcaaaaa	atatgaaata	taaaactcca	gaagtaaaca	gtttataaat	180
tttaagtcac	actttgttct	gaggaatgtg	atgcaacctc	ccgccattct	gctgtatcca	240
gttcaggatg	tgacataccc	ctttgctcag	cagatacaca	attcctgctt	cctgctcatt	300
agacatttgc	ag					312

&lt;210&gt; 1302

&lt;211&gt; 109

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1302

attcttagat	tatatgtgtc	catcttttga	gctttctgag	agtaatttta	tttgttgtct	60
tctgaaatgt	acatgtatac	atgtacacct	tgagtgtctat	gtgattttt		109

&lt;210&gt; 1303

&lt;211&gt; 330

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1303

ccagagttac	ttggatcagc	atttaggaaa	gtaaaatata	gtggaagtaa	aactgactca	60
tccaactaga	cattctacag	aaagaaaaat	gcattattga	cgaactggct	acagtaccat	120
gootctcagc	cagcccgtgt	gtataatatg	aagaccaa	gatagaactg	tactgttttc	180
tgggccagtg	agccagaaat	tgattaaggc	tttcttttgg	aggtaaactc	agagtttata	240
cagtgtacat	gtacatagta	aagtattttt	gattaacaat	gtattttta	aacatatcta	300
aagtcacat	gaactggctt	gtacattttt				330

&lt;210&gt; 1304

&lt;211&gt; 170

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1304

ccactgtagt	ctgcatatcc	ctgtccatat	ccatagttcc	catagttata	cccagtataa	60
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tcatatccgc catagccact atagttttga tcaccaccat aggcactatt gtaatttcca 120
tateccttgat cataatagtt attaaatcct tggttccagt tttggccctg 170

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<210> 1305
<211> 468
<212> DNA
<213> Homo sapien

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<400> 1305
aaaaataaat atttatactc cagcttttgt gtattttggtg tacatcacca cttatgcaaa 60
tcaaggatca gaaaactgga ggtagccat ctccattatt tccttttgca cattgggtac 120
agtgggtggc attagtatgc actagctgca aagtcacagc accttatgga aataagtatg 180
tttattataa taataaaaaag ttaagctgca tctctgtaga ttatttactt tgcagactgt 240
aaagctgccc tatcttttcc agcagaatct actcttccat tcttaattct tttttgaaat 300
atcttaataa atttaacatt cctttataac ttcttaacag tgtcaaaaact ggggtagaag 360
ggatttttatt ttttcccaaa agggttccat ctttgcatac tgttgatcag ccttagaaaa 420
tctaagtatg atcaataaat tttaatggtt gatggcatcc tgtgtcag 468

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<210> 1306
<211> 326
<212> DNA
<213> Homo sapien

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<400> 1306
tggtaaagaa ctacctgtta atgcacaaaa ctatgtgcga tttattgaag atgagcttca 60
aattccagtt aagtggattg gtgttggtta atccagagaa tctatgattc aactctttta 120
atgattgcca gtaatgcaag aaacactcct tgagaggagag gggaaaagac tttcttaaat 180
atttcattta tgacctgcaa attcaagaat aaagacactg aagtaagttt gaagccctac 240
agytgtttcc agtcttttca gatggatgcc tactgtggag attaaccttg gcatattcca 300
gtgtcagctt tctttagctg gaattg 326

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```

<210> 1307
<211> 614
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(614)
<223> n = A,T,C or G

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<400> 1307
aaaaattatt actgtaagaa atagttttat aaaaaattat atttttattc agtaatttaa 60
ttttgtaaat gccaaatgaa aaacgttttt tgctgctatg gtcttagcct gtagacatgc 120
tgctagtatc agaggggag tagagcttgg acagaaagaa aagaaacttg gtgttaggta 180
attgactatg cactagtact tcagactttt taattttata tatatataca ttttttttcc 240
ttctgcaata catttgaaaa cttgttttgg agactctgca ttttttattg cggntttttt 300
gttattgttg gtttatacaa gcatgcgttg cacttctttt ttgggagatg cgygtytgyt 360
gatgttctat gttttgtttt gagtgtaggc tgactgtttt ataatttggg gagttctgca 420
tttgatccgc atcccctgtg gnttctaaag gggatgggcc tcagnaactg ttgcatggat 480
cctgtgtttg caactgggga ggacagaaac tgggggtgat agccagtcct gccttaagaa 540
catttgatgc aaagaatggg accctgcccc ggggccgggn cccctccgaa anggggggga 600
aaatcccang cacc 614

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<210> 1308  
 <211> 304  
 <212> DNA  
 <213> Homo sapien

<400> 1308  
 ctgtcttttg gaggacgtac gtaataaggt ttttaatttag taaaccaatc ctatgcatag 60  
 tttcagcact agccaaacct caccaactcc tagttctaga aaaacaggca cttggcagcc 120  
 ttgtgatgtc atacagagaa gtcacaggca gtacctgagg gtctgtaggt tgcacacttt 180  
 ggtaccagat aacttttttt ttctttataa gaaagcctga gtactccaca ctgcacaata 240  
 actcctccca ggggttttaac tttgttttat tttcaaaacc aggtccaatg agcttttctga 300  
 gcag 304

<210> 1309  
 <211> 289  
 <212> DNA  
 <213> Homo sapien

<400> 1309  
 gggattttcca attaacagta ttaccagata aatattcttg gtccaagcag aaaatatcaa 60  
 caaaaagagc cttcttctcc tgtaaattctt aaatgcctac atcactcttt atgatacatg 120  
 gatcatctta tgtggatact taaatttttc atgtctgctt cttttgcctc tcccaactat 180  
 actatgagga aattcggaac aaagacattt ttgtaaatatt tcttatctcc ttcacaccta 240  
 gtatagagct gatttttaca aggcatthaa gagatatttg aattgattt 289

<210> 1310  
 <211> 534  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(534)  
 <223> n = A,T,C or G

<400> 1310  
 tgctttgcat tttctgatgt attacatgac tgtttctttt gttaaagagaa tcaactaggt 60  
 atttaagact gataatttta caatttatat gottcacata gcatgtcaac ttttgactaa 120  
 gaattttgtt ttactttttt aacatgtgtt aaacagagaa aggggccatg aaggaaagtg 180  
 tatgagttgc atttgtaaaa atgagacttt ttcagtggaa ctctaaacct tgtgatgact 240  
 actaacaat gtaaaattat gagtgattaa gaaaacattg ctttgtggtt atcactttta 300  
 gytttgacac cttagattata gtcttagtaa tagcatccac tggaaaagggt gaaaatgttt 360  
 tattcagcat ttaacttaca tttgtacttt agagtatttt tgtataaaat ccatagattt 420  
 attttacatt tagagtattt aactatttga taaagtttgt aaataatttt ctaagacagn 480  
 ttttatatan gctacagggg gccctgattt tcttattgaa tttggttaga ctag 534

<210> 1311  
 <211> 114  
 <212> DNA  
 <213> Homo sapien

<400> 1311  
 aaaatttgta ggagttgtag actacctaaa tttttaagtt atggyatttg gtcataggtt 60  
 gactgggtag gtaaagaagg aaacagacaa gaaaatggct tcttgagggtg gcag 114

<210> 1312  
 <211> 95  
 <212> DNA  
 <213> Homo sapien

<400> 1312  
 gggcgggtaa aggtaggccg cgagagcgag gttaggagag gataggaggc cgcagtactg 60  
 ctcacacgct ccgctcttct cccactctcg actct 95

<210> 1313  
 <211> 519  
 <212> DNA  
 <213> Homo sapien

<400> 1313  
 aaatgataca gtatttttagg tatgatttaa gactatgatt tacctataca ttatatatat 60  
 ttataaaga tactaaacca gcataccctt actctgccag agtagtgaag ctaattaaac 120  
 acgtttggtt tctgaataaa ttgaactaaa tccaaactat ttcctaaaat cacaggacat 180  
 taaggaccaa tagcatctgt gccagagatg tactgttatt agctgggaag accaattcta 240  
 acagcaaata acagtctgag actcctcata cctcagtggg tagaagcatg tctctcttga 300  
 gctacagtag aggggaaggg attgttgtgt agtcaagtca ccatgctgaa tgtacactga 360  
 ttcctttatg atgactgctt aactccccac tgccgtgtccc agagaggctt tccaatgtag 420  
 ctcagtaatt cctgttactt tacagacagg aaagttccag aaactttaag aacaaactct 480  
 gaaagaccta tgagcaaagt ggctgaatac tttttttt 519

<210> 1314  
 <211> 518  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(518)  
 <223> n = A,T,C or G

<400> 1314  
 ccatgggtggg tgaagacgct gatctgccct gtcacctggg gttttttatg agtgcagaga 60  
 ccaggagagct gaggaaaccc gagytcacgc ctaaggcagg tggatgaacgt gtatgcagat 120  
 ggaaaggaag tggaagacag gcagagtga ccgatcagag ggagaacttc gattctgcgg 180  
 gatggcatca ctgcagggaa ggctgctctc cgaatacaca acgtcacagc ctctgacagt 240  
 ggaaagnact tgtgttattt ccaagatggn gacttctacg aaaaagccct ggtggagctg 300  
 aaggttgagc gtgagcctcc aggttttgnt ctgagaacac ttctctgtag gatctanagc 360  
 agatgcagag tccctcttcc aaaagtactg cagacactcc tggctgctca ctagcaatng 420  
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<210> 1315  
 <211> 360  
 <212> DNA  
 <213> Homo sapien

<400> 1315  
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&lt;210&gt; 1316

&lt;211&gt; 277

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1316

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ttcttggttg	atgactaaac	cggatgatgg	tagagatggg	aagccggcat	ttactcagcc	240
ccgcctgct	cagcctcggg	agcggacgaa	ttctcag			277

&lt;210&gt; 1317

&lt;211&gt; 716

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1317

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&lt;210&gt; 1318

&lt;211&gt; 515

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1318

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gtccagcagt	cgcgcagtgt	gctaacatca	tactttttta	caagggtgaa	actcgaaagc	300
tgcaagggtt	aggcccaaaa	acccagggtta	aacgtgcgct	tcctgaagac	ctaccgcctc	360
gcacatacat	ccatcgcacg	gttaccggcg	tcataagagaa	cgcgcttagc	ttggtagcga	420
gcaatccaaa	gatctatttg	gtagggtggca	tcgacagtta	ttcattgcgc	gacctggaag	480
acttgatatc	gttcagccgc	aacccaaaacc	aagcc			515

&lt;210&gt; 1319





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&lt;210&gt; 1324

&lt;211&gt; 258

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1324

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&lt;210&gt; 1325

&lt;211&gt; 534

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1325

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gtcctctatg	gcccggatgc	ccccaccatt	tcccctctaa	acacatctta	cagatcaggg	180
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&lt;210&gt; 1326

&lt;211&gt; 177

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1326

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gatgcgcaat	gagttgttct	gagaccagta	atccacgggtg	ctgcaatttg	ggttttt	177

&lt;210&gt; 1327

&lt;211&gt; 266

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1327

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266

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ttctottttc acatgg                                     136
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ctgtgacaac	aatatgtcct	tctagtatac	attcattgca	aaggetgccc	tgaagtttcg	180
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aagaggggagc	c					311

[illegible]

<210> 1335

<211> 555  
 <212> DNA  
 <213> Homo sapien

<400> 1335  
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 acagttaatg agatgcttca gctcacagtt tgaagtgcgt agaacctag tattttgctg 180  
 tacggtactg agctgtacca aaatatgatg gtttaggttt atgtgcaaga ctttgtgttg 240  
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 cttcaaggaa gtaaaatggc aggggcagag tgcagcttaa catgttgcta tccctgttgt 360  
 ttttgagttg gttttggaat ggattcaagt tcttacacaa tttattttga atacaagcat 420  
 aatctaggtg atttgagtta atgaacttct tttcatgatg tagggaaagc tgaatgtata 480  
 tatttctaag aagaatttgt ttagcagatt acaagttggc aaaatagact gttcacagaa 540  
 actaggcaaa aattt 555

<210> 1336  
 <211> 505  
 <212> DNA  
 <213> Homo sapien

<400> 1336  
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 ttgatatgcc cttttggtat ttaaccaagg aaaagaaaga tgaactctgc aggctaagaa 180  
 atgaaaaaga acaagagctg gacacattaa aaagaaagag tccatcagat ttgtggaaag 240  
 aagacttggc tacatttatt gaagaattgg aggctgttga agccaaggaa aaacaagatg 300  
 aacaagtcgg acttcctggg aaagggggga agggccaagg gaaaaaaca caaatggctg 360  
 aagttttgcc ttctccgcgt ggtcaaagag tcattccacg aataaccata gaaatgaaag 420  
 cagaggcaga aargaaaaat aaaaagaaaa ttaagaatga aaatactgaa ggaagccctc 480  
 aagaagatgg tgtggaacta gaagg 505

<210> 1337  
 <211> 385  
 <212> DNA  
 <213> Homo sapien

<400> 1337  
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 ttaattgggg agaggaagaa ttgcagagta gtttgtaatc atgccaatc cagatcaata 180  
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 attctctcta tttggataag gaaaccttcg ctttatttga caatgtataa tgatatactc 300  
 ttctaattca cctctgtgtc ttcacaataa acatgagtaa aatttagaca agtgatggta 360  
 aaggtcaata taattattta ttttt 385

<210> 1338  
 <211> 350  
 <212> DNA  
 <213> Homo sapien

<400> 1338  
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<210> 1339  
 <211> 443  
 <212> DNA  
 <213> Homo sapien

<400> 1339						
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agagtctctg	atttagtagg	tgtaggctg	aaccaagaat	ttgcctttct	aacaagctcc	300
caagtgatgc	tgatgacttg	taggaatgga	tttacttcta	ggattagact	tcagctcact	360
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aacgtgaagg	aaggaacccc	cag				443

<210> 1340  
 <211> 273  
 <212> DNA  
 <213> Homo sapien

<400> 1340						
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gtttatacat	ttacaaaatg	cttaaaatct	ttgggaagca	agaggaagct	aaacagaagg	180
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agagtgttcc	ctctacaatg	tgacagagtg	aaa			273

<210> 1341  
 <211> 561  
 <212> DNA  
 <213> Homo sapien

<400> 1341						
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tcaggcccg	ctaactctgg	caccccgat	cgaggacaag	tgagagagca	agtgggggtc	180
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<210> 1342  
 <211> 159  
 <212> DNA  
 <213> Homo sapien

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<210> 1343
<211> 76
<212> DNA
<213> Homo sapien
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<210> 1344
<211> 726
<212> DNA
<213> Homo sapien
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<210> 1345
<211> 742
<212> DNA
<213> Homo sapien
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ctataaattgc	tctgaaattg	tattttttctg	tggaaaagca	taacttttat	ctgcttggtc		660
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171

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agagtaattt	gaaagaagtt	ttacatccta	tttagaagaa	atcactagta	tttccttaaa				180
taacagggtta	caatagaaaag	atactgcctg	gaagttatcc	tttcactttg	gttcattttt				240
agttttttctt	tatgattttac	atagctgttt	aattcatttg	cttatagtac	aatcctgcca				300
taaagtatta	aagcacaaaga	tacctattat	tccttcaaca	tctgcatttt	tcaagtttta				360
tactctacat	ccacagtacg	tcagcagttc	ttgaatgttt						400

<400> 1351							
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ctctgcactt	caggaatgg	cacaacagg	ggtagccctc	aaaagcactc	ctttttctat		240
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tgccaccgag cctgcccagg gacaggattg tgtggctgac atgggtgacgg cagatgactc      180
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atttggaqtt ccgtgcccct ctgtgcag                                268
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<221> misc_feature
<222> (1)...(620)
<223> n = A,T,C or G
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<400> 1353
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&lt;210&gt; 1354

&lt;211&gt; 398

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1354

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acagggatgt	atcctgtatc	attcattaaa	catagttt			398

&lt;210&gt; 1355

&lt;211&gt; 371

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1355

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gacccccaca	g					371

&lt;210&gt; 1356

&lt;211&gt; 338

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1356

gcggcgcggg	cgggcgtaaa	atgtcggttc	caggacctta	ccaggcggcc	actgggcctt	60
cctcagcacc	atccgcacct	ccatcctatg	aagagacagt	ggctgttaac	agttattacc	120
ccacacctcc	agctcccatt	cctgggccaa	ctacggggct	tgtgacgggg	cctgatggga	180
agggcatgaa	tcctccttgc	tattataccc	agccagcgcc	catccccaat	aacaatccaa	240
ttaccgtgca	gacggtctac	gtgcagcacc	ccatcacctt	tttggaccgc	cctatccaaa	300
tgtgttgtcc	ttcctgcaac	aagatgatcg	tgagtcag			338

&lt;210&gt; 1357

&lt;211&gt; 159

&lt;212&gt; DNA

<213> Homo sapien

<400> 1357

ctgggctgct	gcctctggag	tacttccccg	cagctcctca	ttgctcacat	agtaggcaat	60
ggcgttgctc	tcaaacacac	agaatccatc	atcaccctca	aatgctggga	ccttgccggc	120
aggaaatttg	cggagaaatt	caggggtgcg	gttggtttg			159

<210> 1358

<211> 306

<212> DNA

<213> Homo sapien

<400> 1358

cctgtcagag	tggcactggt	agaagttcca	ggaaccctga	actgtaaggg	ttcttcatca	60
gtgccaacag	gatgacatga	aatgatgtac	tcagaagtgt	cctggaatgg	ggcccatgag	120
atggttgctc	gagagagagc	ttcttgctct	gtctttttcc	ttccaatcag	gggctcgctc	180
ttctgattat	tcttcagggc	aatgacataa	attgtatatt	cggttcccgg	ttccaggcca	240
gtaatagtag	cctctgtgac	accagggcgg	ggccgaggga	ccacttctct	gggaggagac	300
ccaggc						306

<210> 1359

<211> 382

<212> DNA

<213> Homo sapien

<400> 1359

agagggagtc	cagcccccaa	gccttgtag	gcactgttar	gcagatagg	aaaagagggg	60
tccttagatc	actggttcaa	ggagggatct	ggtaggggca	gcatttcttc	tgggctggaa	120
acagaatggg	ggtttcaaga	tggcagaacc	attccattat	tggagctata	agccoctaga	180
attgctccat	ggcctatctc	ggtttccctt	ggatctcatc	tgctcctgaa	ctgcacctgt	240
catggcaagt	ccatctccgg	cccccatctc	ccctgagcca	atgtgagtca	ggtgaacaaa	300
attcattggt	tccccaatca	tggctccggtc	aatcogtctt	ctcttcttct	ttcttctcca	360
ccatccagac	gttcagctac	ag				382

<210> 1360

<211> 365

<212> DNA

<213> Homo sapien

<400> 1360

aaaaaacctt	tcaaaataaa	acttagtaaa	atctagaact	gkttcttggc	ctacttgaga	60
ggaacttcca	tattttcaca	gccatctccg	aaagcagcag	ttgctgtaaa	ttacttgaga	120
cttggaatg	gtgcagactg	tcttggtaga	gctgttctta	tagcacaatt	ttatctggaa	180
aataaacttg	taaatgcgtg	ctgtatatta	atacatgtgt	gccccatatt	atttttatta	240
tctcctgcc	gtctttgctc	aatgggagat	gacagaccaa	cttctcaacg	tgatttcccc	300
atttcattga	atgacattta	tatgccactt	atgaaaaaaa	tactgctgtg	aaagaaatgt	360
acttt						365

<210> 1361

<211> 502

<212> DNA

<213> Homo sapien

<400> 1361

gaggtatgga	aaaatatcaa	caaggaaata	ttagatttga	actgctgctt	cgttagcaca	60
cagcacattc	tccaggatat	accatatgtt	aggacacaaa	acgggtctca	ataaattttt	120
aaaagtcaaa	atcttatcaa	gtatcttctc	agaccacaat	ggaataaaaac	tggaaatcaa	180
taacaagagg	aacttctgaa	attgaacaga	tacacggaaa	tcaaaactaca	tgttcctgaa	240
tgaccactgt	gtctatgaag	aaattgattt	taaaaattta	aaaattcttt	gaaacaaatg	300
aaaatagaaa	cacagcatag	aaaaatgtat	aggggtacaac	aaaagaagtg	ctatgagggg	360
catttatttc	aataaacacc	cacatcaata	aggtagaaaag	tttttaaaaca	aataacctaa	420
taaacgcac	tcaaggaact	agaaaagcaa	gaacaaatca	aacctaaaat	tagaaggaaa	480
taaatagtaa	agatcagagc	ag				502

&lt;210&gt; 1362

&lt;211&gt; 545

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1362

ctgattggat	gtctaggaat	gactgaaaga	aaccaaaaca	gcctgtccac	tgctgctgtg	60
ggatggagga	ggcgtaagca	gaaacactaa	cagtatactg	acctcttagc	agaaccgctt	120
ccattctgga	gatcacggct	gctaaatcca	gcacccccac	ttcattttac	ccccagcata	180
ttgtttctgta	gtcttttctt	gaaacatott	gattgctttt	cctcggcagc	tttcaaaaaa	240
ccaaataata	atagttatcc	gtcttctact	tcatggaaga	ttgttttggt	gccttgaccc	300
totgaagtgc	ccagttcctg	ccatctgaaa	cctcggcctg	atctgatctc	atgttggaat	360
ctgcctgtct	ttcacacagg	gctggtcttg	gtcctttaca	tgccagtttt	gcttgtgaat	420
tottgctttt	ttcctctcat	cagccttaag	tttaggcgtt	tggtgttctc	cagtgatgta	480
gacagttccc	ttcacaagtc	acagttcttc	ccataaatga	ggcccgtga	cctctgctgg	540
acttt						545

&lt;210&gt; 1363

&lt;211&gt; 286

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1363

gggagatgca	ggatgtagac	ctcgtgagag	tgaagccttt	ggtggagaaa	ggggagacca	60
tcaccggcct	cctgcaagag	tttgatgtcc	aggagcagga	catcgagact	ttacatggct	120
ctgttcacgt	cacgctgtgt	gggactccca	agggaaaccg	gcctgtcatc	ctcacctacc	180
atgacatcgg	catgaaccac	aaaacctgct	acaaccccct	cttcaactac	gaggacatgc	240
aggagatcac	ccagcacttt	gccgtctgcc	acgtggacgc	ccctgg		286

&lt;210&gt; 1364

&lt;211&gt; 503

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1364

ccatcaggat	catgaaaaca	aactttggtg	aatgtgagca	actgcgccag	acaggacaca	60
ggttacaggg	cctgacgtca	ctaacggtaa	ctgacaatct	tggaatggac	cctactgctg	120
atgtttcaaa	aggacacaga	ggtgaactgg	tcacttctaa	ttaagaagag	ccagtggggg	180
gggggaagct	gaaaacaaaa	aatccacgta	gacatacgtg	gcagtgtgaa	cgtctgtcct	240
ccccttctt	ctcctcactt	cctctctctc	tcctcactca	ggctggtatt	ctcctggtgt	300
gcggtatgtca	gcttgccctg	cagaagggct	gccagttttt	tagatgtctt	tttgagaaac	360
gagctgcccg	gatgggcact	gttcacgtgc	aggtacaggt	cctcctgggt	ggggcccctg	420
tagccgcaat	cctcgcagac	gtagagcttg	tcccgcgcgt	gcttataggc	atactgctgc	480
tgcaccccat	ggattttctt	cag				503

<210> 1365  
 <211> 245  
 <212> DNA  
 <213> Homo sapien

<400> 1365  
 ctgggcggct ccacgctcat ccagtgggcc taggttctga ctgaccagcg aacaaaaact 60  
 gtgacagaga totaggattt cattcaggca gtgaaacacc tacccgaggaa acagagttgg 120  
 cattaggaaa ggaaggaagg tacatccatg aagttaaagt gttaggagaa cagtctgatt 180  
 aatagctgat ctaattaata gctgacctcc caaatctgac aggatagaca ctgccacgtg 240  
 caagg 245

<210> 1366  
 <211> 131  
 <212> DNA  
 <213> Homo sapien

<400> 1366  
 aaaatcccca taaatctttt ctgtcctgag gtagttgcaa aataaatcat aacttgata 60  
 tcaactagag ctgaggcttt gactttttac tcattaaaac tagttgttac aggaactacc 120  
 ttagatatt t 131

<210> 1367  
 <211> 430  
 <212> DNA  
 <213> Homo sapien

<400> 1367  
 ctgtgcagtt atatgaccat aaaggaaatg aaccattaaa aatggatcta cagccatata 60  
 ttctgccgtt actcagaggc ttaatgattt attttcccc tccagccctg cttttaccag 120  
 gttaaatgac agaagacctt ctattgtacc tattgttcaa aaaatattac tgttctgtgg 180  
 aacctgggag agtccaattg ataagagaaa ctgaatcata ctgatgaggt gaaggatagg 240  
 tctgccggtg tggggcaggg cactctttct cagcagccaa gataacttat cacacacgaa 300  
 gcagagagaa tgcacccgat gaaaatctct ctgaactgtg ttccttgaag gatctcttaa 360  
 aaaaaaaaaa totgaaacat catccattga acaaatgaaa ggcttatacc tttaccatga 420  
 agaaacattt 430

<210> 1368  
 <211> 294  
 <212> DNA  
 <213> Homo sapien

<400> 1368  
 ctgggcggat agcaccgggc atatttttga atggatgagg tctggcacc tgagcagtc 60  
 agcgaggact tggctcttagt tgagcaattt ggctaggagg atagtatgca gcacggttct 120  
 gagtctgtgg gatagctgcc atgaagtaac ctgaaggagg tgctggctgg taggggttga 180  
 ttacaggggt gggaacagct cgtacacttg ccattctctg catatactgg ttagtgaggt 240  
 gagcctggcg ctcttctttg cgctgagcta aagctacata caatggcttt gtgg 294

<210> 1369  
 <211> 429  
 <212> DNA  
 <213> Homo sapien

<400> 1369  
 ctgaaggcaa tgggggactg aggaaggagg cagcagaagt aggagaggag caagaatcca 60  
 gaagggaaat gagaacgaca aaactgaagt gcacttcaac atcctgcagc caaaggggta 120  
 aaaaggagaa agaagtgcag accagtcaca taaatgccac agtgacatgc acaaaaacgt 180  
 gaggggcaca ctccagggac agagtctgac aacatgacaa gctacatggc atcaaactct 240  
 ttcatgtgac aggcagcttt tcacatgtgc atcttaagac tggaacttgc tatagataaa 300  
 ccttaagtag ttaataaaaag caaaagtcac cctctattca ctgtttgctg ccatgttcca 360  
 ggcatagtag ttggcacttt ttattttatt tcacttgatc agctcagaaa gtcctccaaa 420  
 tgagtatttt 429

<210> 1370  
 <211> 540  
 <212> DNA  
 <213> Homo sapien

<400> 1370  
 ccaactcccag gatgctgggt ctgcttggct ggctgggacc cgggagccgt cagtccaacgc 60  
 actcccggat gcaactcaaca acctaaggac gcaggagggt tccgggggatg gtccgagctc 120  
 gtccgtagat tggaatcgcc ctgaagatgt agaccctcaa gggatttatg tcataatctgc 180  
 tccttccatc tacgctcggg aggtagcgac gccccttttc ccccgcctac aactgggagc 240  
 cgctgggcag aggcagcacc tgctttttcc ctacccttcc tcgattctgt ccgtgaaatg 300  
 aattgggtag agtctctgga aggttttaag cccattttca gttctaactt actttcatcc 360  
 tatttttgcac cctctttatc gttttgagct acctgocac ttctctttga aaaacctatg 420  
 ggcttgagga ggtaacgatg ccgactccgc cagagctttt ccaactgattg tactcagcgg 480  
 ggaggcaggg gaggcagagg ggcagccctc ctaatgcttc ctactcattt tgtttctagg 540

<210> 1371  
 <211> 142  
 <212> DNA  
 <213> Homo sapien

<400> 1371  
 ttaaaatggt agcacaagag tctggcaagt tgggtactgca gagaaaaggg gttaattgag 60  
 gcttggttg agtcgggatt cccctttccc aaacatgcgt ctgccactt ggacagcagc 120  
 catttgtagt cgtatacttt tt 142

<210> 1372  
 <211> 377  
 <212> DNA  
 <213> Homo sapien

<400> 1372  
 ccaccatctg tgcaagtagc caaaaccact ccttttaaca cgagggagcc tgtgatgctg 60  
 gctgctatg tgtggggctt ctatccagca gaagtgacta tcacgtggag gaagaacggg 120  
 aagcttgta tgcttcacag cagtgcgcac aagactgcc agcccaatgg agactggaca 180  
 taccagaccc tctccattt agccttaacc cctctttacg gggacactta cacctgtgtg 240  
 gtagagcaca ttggggctcc tgagcccatc cttcgggact ggacacctgg gctgtccccc 300  
 atgcagaccc tgaaggtttc tgtgtctgca gtgactctgg gcctgggcct catcatcttc 360  
 tctcttggtg tgatcag 377

<210> 1373  
 <211> 504  
 <212> DNA

<213> Homo sapien

<400> 1373

ccatgctaag	tttgggaacc	gctggtgatg	ggacatggat	gcttgcaacc	gaccgtgggc	60
ggatgtgggt	gaccagatgg	cagaggacga	caccatccat	gagggctgcc	cccaggtctt	120
cgtgcagact	gaccttcaat	ctcatctcaa	tgctctcacg	aagttgttcc	accagctctt	180
tctcttctct	catctgctcc	attttcctcc	ggattgtaaa	ctgcgggtct	atagattcca	240
aattttctctg	aggtcttaga	aacacagact	cagaaatcaa	atgaggatgt	ctcagaaagg	300
agtcactttt	ccagaggcag	gctgcccctt	aactcagccg	agcagcagga	accactgggg	360
ccaaagctat	tttatcttcc	ttaggtaaaa	aaaaatcaat	agaatatttc	ttccccgctt	420
acatgctccc	accactgatg	aacgcgatct	tcagcaagaa	gaactttgag	tccctctccg	480
aagccttcag	cgtggcctct	gcag				504

<210> 1374

<211> 201

<212> DNA

<213> Homo sapien

<400> 1374

cctccgtaag	atgcttgaca	attttgactg	ttttggagac	aaactgtcag	atgagtccat	60
cttcagtgtc	tttttgtcag	ttgtgggcaa	gctgcgacgt	ggggccaagc	ctgagggcaa	120
ggctataata	gatgaatttg	agcagaagct	tcgggcctgt	cataccagag	gtttggatgg	180
aatcaaggag	cttgagattg	g				201

<210> 1375

<211> 295

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(295)

<223> n = A,T,C or G

<400> 1375

ctgtgaggct	gnttccaagg	aggaaaacaa	ggaaaaaaat	cgatatgtaa	acatcttgcc	60
ttatgaccac	tctagagtcc	acctgacacc	ggttgaagg	gttcagatt	ctgattacat	120
caatgcttca	ttcatcaacg	gctaccaaga	aaagaacaaa	ttcattgctg	cacaaggacc	180
aaaagaagaa	acggtgaatg	atttctggcg	gatgatctgg	gaacaaaaca	cagccaccat	240
cgtcatgggt	accaacctga	aggagagaaa	ggagtgaag	tgcgcccagt	actgg	295

<210> 1376

<211> 318

<212> DNA

<213> Homo sapien

<400> 1376

ccagcgctac	tgtactggcc	cagggcagag	ttcatgtatc	tcgtcttgac	cacgtctaca	60
ggggaggcga	tgacagtgg	gcagaagcct	gccccaaagg	cagaagtga	gtggcaagg	120
aggtcatctg	tcatgaggt	ggctttcagg	agggcactcc	tgatgaggtc	ataggtcacc	180
agctcagcac	agttgacaat	ggcattacga	gcaacattgg	gggaggtccc	tttccagagg	240
ccccggaacc	cttctctctg	ggcaatggtc	ttgtaggcat	tgacgggtgct	ttggtatctc	300
cgaccacctc	cagcccg					318

<210> 1377  
 <211> 143  
 <212> DNA  
 <213> Homo sapien

<400> 1377  
 gtggattccg ytcggggcac cgatctcgcc aagatcctga gtgacatgcg aagccaatat 60  
 gaggtcatgg ccgagcagaa ccggaaggat gctgaagcct gggtcaccag ccggactgaa 120  
 gaattgaacc gggaggctgc tgg 143

<210> 1378  
 <211> 98  
 <212> DNA  
 <213> Homo sapien

<400> 1378  
 aaatattggt aataggctcg caacagcaac tatagaagta caactcaata gatggcatta 60  
 aaacatattg tagtgtggat atatattttt tttttttt 98

<210> 1379  
 <211> 330  
 <212> DNA  
 <213> Homo sapien

<400> 1379  
 aaagatgttc acgttacgct ggaccaaatt aagacggctt tctccctctt gctgacgtgc 60  
 ccagccgtg ataatgacca gcttgaggtt tgcagttaca ttatagtctt tgccagagac 120  
 aatctttggt gttctaagga aaaggctgcc atgtttggaga tccatcatct ctcccttcaa 180  
 tttgtcttcg acgacatcaa caagagcaag ttcattctgcc aagtccttca ttaagatact 240  
 gatggcacag gccatgccaa cagcaccaac cccaacaact gtaatcttat tctggggggg 300  
 ctgttcttcc tttagaagat tataaatcag 330

<210> 1380  
 <211> 269  
 <212> DNA  
 <213> Homo sapien

<400> 1380  
 ccactcctgg aaaccactg atagatgagt ttccccatt cttctggcct ccgccacatg 60  
 atcaggaagc tggacttgct cttatccaac cactcgaggt tccctttctt cctcagttcc 120  
 tctaatacaa totggatcga ctccacagga agctttcgtc gtagcttgac gttgttgaag 180  
 agcgggctct cctgagcttc catcaccgtc atgctggact gtttgtgcag gcggcagaag 240  
 gacaggacca gcgagcacca ggcgccag 269

<210> 1381  
 <211> 232  
 <212> DNA  
 <213> Homo sapien

<400> 1381  
 aaaagagagg aaaggcagtg cagggctgga ggtcctggag ggtggcggcg ggtcgtccta 60  
 actagcaggc tgaaagggtgc tggaggggat gccttcactc agaggaagtt cacagccacc 120  
 tgcttgga catgtacctg ttcattcttt cgtaatgtta gtattcattt tgctatcttc 180  
 ctgttgccat ttccaaacag tgtcagtatg tttttgttaa atacgaacat tt 232



<210> 1382  
 <211> 348  
 <212> DNA  
 <213> Homo sapien

<400> 1382  
 aaacgtgcta aagggaaagg aatctgacat tctgggtaaa tcttactcaa tctaaatcaa 60  
 agcttgggtt tcaggaggag gaaggtgcga gcgcaggcag aggtgctgaa tactcctctt 120  
 ctgattcact tccatcatcc tctttctctt ggtcactgcc ctcaagtcta agccggtcaa 180  
 accctttttc actgtagccc ttacggcttg caaagaaatt accaagggtt aagcctccac 240  
 ttccctttcc tctaaatctt cccagtaact ttctgaact cgtctcgagt ttgtgttcag 300  
 aatctccaaa ggcccttgat tttttccacc gaataaatat ggcaatgg 348

<210> 1383  
 <211> 293  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(293)  
 <223> n = A,T,C or G

<400> 1383  
 ctgcttcaan acctcagett catgggaactt gcgtctttct tctgcagett ctaatttctt 60  
 ctgaatttcc tcagggaaa gatccttctt ctttgagggg gaaaggggga attctggaac 120  
 agattctttt gaccgagggc tgagaatcag ctcaaaaagcc tggcccgagg cagccttctc 180  
 cagttctttc acctggatat cagaagaagc catggtgaat agaagacaag cgacaggcag 240  
 tgtattctgc acaatcaact gggataagga aagtcctgct cagtccgagc cgc 293

<210> 1384  
 <211> 573  
 <212> DNA  
 <213> Homo sapien

<400> 1384  
 ctgaagcaac ttgggattaa ttgcttgatt agcttcacga agcacagaga taaggtcgct 60  
 cacttgcttt atgttattag gtgtaaagaa agtgtatgct gtgcctgttt tggtagtgcg 120  
 agcagttctt ccaattcgat gaatataatc ctctgaggag ttagggtagt cataattgat 180  
 gacaaatttc acatcttcca catctagccc tctggaggcc acatctgtag caatcagaat 240  
 aggagctttt ccatgtttga attcatttag aaccagtcga cgctcttggt gactcttgct 300  
 accatggata cccatggcag gccacccatc tctcctcatt tttctggtaa gctcatcaca 360  
 tcttcttttg gtttccacaa aaacaatggg tttattctcc ttctcactca tgatctcttc 420  
 cattagacga ataagttttt catccttttc tacgtcatga cacacatcca caatctgaag 480  
 aatgttgttg tttgactca gttcaagtgc accaatgttt atatgaatat agtctttcag 540  
 gaaatcttca gcaagctgtc ttacttcttt tgg 573

<210> 1385  
 <211> 150  
 <212> DNA  
 <213> Homo sapien

<400> 1385

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ccaagggccgc taggggtcctt acccctcagg atcaactcccc agccctttcc tcaggaggta      60
ccgctctcca aggtgtgcta gcagtgggcc ctgcccact tcaggcagaa cagggaggcc      120
cagagattac agatcccctc ctgtaagtgg                                150

```

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<210> 1386
<211> 159
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(159)
<223> n = A,T,C or G

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<400> 1386
aaatgatgtt ttgggttaaga gtggaccatg agaattagct gacagcatcc cttttctctc      60
tccttgccctt ggtgggaccc tcctgtgtgt accttggtca agtcctcgaa cttttgtccc      120
gtatttaaga tggagctgnt ttacctactt cataagaca                                159

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```

<210> 1387
<211> 735
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(735)
<223> n = A,T,C or G

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<400> 1387
ggtgnaattc gcocttgaan ggccgccggg caggtccttt ntgtstgctg aaggcagatc      60
gcttggtcca caccagctac cactcccagg cagtgcatac ccgccctgtt tgcagaaatg      120
cacgctgtac tagcatctcc tgggagctga ggcagaccct gtcagttgta tttgatgcct      180
tcatcacggg gcagggaaag aaagactggt ccctcttccg gatgttctcc cgaaccctca      240
cggagccctg cccctggct tcagagagcc gagtctatgt ggacatcacc acctacaacc      300
aggacaacga gacattagag gtgcacccac ccccgaccac tacatatcag gacgtcatcc      360
taggcaactg gaagacctat gccatctatg acttgcttga caccgccatg atcaacaact      420
ctcgaaacct caacatccag ctcaagtga agagaccccc agagaatgag gcccccccag      480
tgccctttct gcatgccag cggtacgtga gtggctatgg gctgcagaag ggggagctga      540
gcacactgct gtacaacacc caccataacc gggccttccc ggtgctgctg ctggacaccg      600
taccctggta tctgcggctg tatgtgcaca ccctcaccat cacctccaag ggcaaggaga      660
acaaaccaag ttacatccac taccagcctg ccaggaccg gctgcaaccc cacctcctgg      720
agatgctgat tcaga                                735

```

```

<210> 1388
<211> 369
<212> DNA
<213> Homo sapien

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<400> 1388
ctggggacag cctacagggg cctccagcct gtgccagacg aggaggtgat tgagctgtat      60
gggggtaccc agcacatccc actataccag atgagtggct tctatggcaa gggtcctcc      120
attaagcagt tcatggacat cttctcgcta ccggagatgg ctctgctgtc ctgtgtggtg      180
gactactttc tgggccacag cctggagttt gaccaagcac atctctacaa ggacgtgacg      240

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gacgccatcc gagacgtgca tgtgaagggc ctcatgtacc agtggatcga gcaggacatg 300  
 gagaagtaca tectgagagg ggatgagacg tttgctgtcc tgagccgcct ggtggcccat 360  
 gggaaacag 369

<210> 1389  
 <211> 322  
 <212> DNA  
 <213> Homo sapien

<400> 1389  
 aaagatgttt ctggcatttt ctttttattt gtaaggtggt ggtaactatg gttattggct 60  
 agaaatcctg agttttcaac tgtatatatc tatagtttgt aaaaagaaca aaacaaccga 120  
 gacaaaccct tgatgctcct tgctcggcgt tgaggctgtg gggaagatgc cttttgggag 180  
 aggtctgagc tcagggcgtg cactgtgagg ctggacctgt tgactctgca gggggcatcc 240  
 atttagcttc aggttgtctt gtttctgtat atagtacat agcattctgc cgccatctta 300  
 gctgtggaca aaggggggtc ag 322

<210> 1390  
 <211> 450  
 <212> DNA  
 <213> Homo sapien

<400> 1390  
 aaatattagw tgagacttta caggcacata actgttcaga tagaaacaaa cataacagac 60  
 taaaatactt tcaaaattaa agccatctag aaaatggaag taactgaaac tgtagccatt 120  
 acaattcttt ttctggtttt gagcaaaaat tttatctctc tggcaaaaaca cttttgtctg 180  
 atcatttgag agacagggtt cttgtatact gtttcttcaa cgtaaaccctc atttacaaaa 240  
 atagtacat agcattatga ataaactatg aattggggac catggaaatg cactagaaca 300  
 aattttgtaa aaatatggca gatatggaag ttaaaaatag aatggatgca aggactgtac 360  
 taaagtggtt tgggtgtagt acaatgttca ctttgcacaa ctatccctat agtctaggta 420  
 gccattgggt ttctcctcag cagtgtcaga 450

<210> 1391  
 <211> 304  
 <212> DNA  
 <213> Homo sapien

<400> 1391  
 aaaaaatcat aaatgggggtt tcataatcca aagttgaaac atttattctt catagcttca 60  
 gaatttaaca accaattgta gaccatgctt tccaaatcca gtcttctttg ctatttttca 120  
 aaacttctga gatctagat taaactgctc cattctaaat gtatagtttt agataagtat 180  
 tgtacacttg ttgataaggg ttttctgaaa gcagtctatc aaatataaag aatggtttct 240  
 atctaagaat cagcagttag ggaagaaata ttaaacacct atcaagaaat caattattca 300  
 tttt 304

<210> 1392  
 <211> 140  
 <212> DNA  
 <213> Homo sapien

<400> 1392  
 ctggaagaag aactgagaca gcagaaagaa gcagcttggt tcaaggctcg tccaaacacc 60  
 gtcactctctc aggagccctt tgttcccaag aaagagaaga aatcagttgc tgagggcctt 120  
 tctggttctc tagttcagga 140

<210> 1393  
 <211> 166  
 <212> DNA  
 <213> Homo sapien

<400> 1393  
 aaaactttgt ttttcttaaa agcttacagt gtttggctaa ttctcctccc ctttttacaa 60  
 gacggggggcc ggagggtgga cactggtggc aggttaaggg atactgtcac tttaagaagc 120  
 ctgcagattg aagtgtaaac atggagaaat taggggctga tttttt 166

<210> 1394  
 <211> 543  
 <212> DNA  
 <213> Homo sapien

<400> 1394  
 gcagaggctg tggtaacaaca tggtccttgg tgaagacctg cacccttga acctcccacc 60  
 atcatcacia ctgtagtctc atttgcaagt gagaaaagaa cccgacgtcc cacagccaga 120  
 tatacaccca gctccatgcc agcccttcat gtttaccttt tgetttgtta attacatgtc 180  
 agactcctag agggcctcca gactaatagg aagcatttct gtaaccaacc tgccaccacc 240  
 tgattcagaa atggaaatca cattccacaa tctatggctt ctaccagcta gccaggaaa 300  
 tacttgaaat cagcattcca attagtgttg agtctcttga ttgtgtcatt taccaattaa 360  
 ataaactgaga cctaagtctg ggaacagagc cacgaatctg cctttgagat gctggcagat 420  
 ctcaaggcca tcaattattg ggggaggagg ggacaaacac tcccaatcat ccaccagtca 480  
 gactgaatgt gtagctggcg aggaattact tccacttctg gccagcaca agccctgctt 540  
 tgg 543

<210> 1395  
 <211> 364  
 <212> DNA  
 <213> Homo sapien

<400> 1395  
 cctatcatca gtgggggttg attcaccatc atccagggtg ccatcttcat acaagggtact 60  
 agctatgacc aaccgaaact tgtcacccaa gtctacaggg taaatttgaa tgtttacatc 120  
 taagattaga tccatcttga aagattcact ctcaaatgc agtcgagaca ctcggtcaaa 180  
 cttcttggcc tccgggtcaa tatcttcac atogaaaata tctcaaaca ggatgcccg 240  
 catcgcgagg gggccacgag agcagcagaa ggggtgagag cgcgaccaca gttgggagta 300  
 cgtgcacccc ctacgtgga caagaccgga gagaaccaa agcacctcct gaaagcgcg 360  
 cggc 364

<210> 1396  
 <211> 422  
 <212> DNA  
 <213> Homo sapien

<400> 1396  
 gctgctgctg ctattgtgtg gatgccgcgc gtgtcttctc ttctttccag agatggctaa 60  
 cagggggccc agctatgget taagccgaga ggtgcaggag aagatcgagc agaagtatga 120  
 tgcggaacct gagaacaagc tggtggaact gatcatcctg cagtgcgccg aggacataga 180  
 gcacccgccc cccggcaggg cccattttca gaaatggtta atggacggga cggtcctgtg 240  
 caagctgata aatagtttat acccaccagg acaagagccc ataccaaga tctcagagtc 300  
 aaagatggct tttaagcaga tggagcaaat ctcccagttc ctaaaagctg cggagaccta 360

tggtgtcaga accaccgaca tctttcagac ggtggatcta tgggaaggga aggacatggc 420  
ag 422

<210> 1397  
<211> 653  
<212> DNA  
<213> Homo sapien

<400> 1397  
ctgacctgct atccccacccc aaatttcagc ctgaggtata tttcagtga ggcaggtagc 60  
tgtgtcttctc agagcagaga agcagtttta agagcaaaaa ggtagaggaa atctagaaaa 120  
gaaccgtctt gatacagatt tatcccatgg tgtgaaggga gggcaaagaa cccagtggca 180  
cttcgcttat ccagcaattt ctgtcactgt ggtgaccaac ttctgcccgt tccatagggt 240  
cttgaactgc tcaggaactg ggaattcatt aaagtcaccg ccttctgtag gaatgaggac 300  
attcatctcg gaagatttgg cactgactat ttcacaatcc aggggaattct tgctcaggta 360  
agcatggcag ccatctgttt tgttgatgga tatggttggc actttaccca ttacctgaac 420  
tttgacatcc ttactgttga ttatctccac aatgcccacc acgtcatcga ataccaggcc 480  
aagttttctta cagttatcta ctgtaatgga gtttaattttg cccttgattt gcaatgtcgt 540  
gttgacacac ttgtatatgt aagccacctg tttcagctct gtgtcctcaa tcaccagggt 600  
ggaaacattt tctgatttt cctctccct tcttgccctc agttcaagta cag 653

<210> 1398  
<211> 261  
<212> DNA  
<213> Homo sapien

<400> 1398  
aaaattataa ctactcattc tttcttttagc cttagataat ttgagcagaa gccacaacaa 60  
gcaaaccaca ataaatttag aattggcaga aatccacatt aactcctctt cccaagtttc 120  
cacactacta ccattttacag ttgtagggtt gtaatgtata attatgtaat gcasaaacta 180  
gctttgactt gtgtracgat gcaactgtcaa aggaagcaaa gtaagaattg aaattccaca 240  
ttcccagaat ttaacactca g 261

<210> 1399  
<211> 195  
<212> DNA  
<213> Homo sapien

<400> 1399  
ctgattttat ttctttctca aaaaaagtta tttacagaag gtatatatca acaatctgac 60  
aggcagtga cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120  
gtttttgttg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180  
ggcaaaaaaa agttt 195

<210> 1400  
<211> 120  
<212> DNA  
<213> Homo sapien

<400> 1400  
ctgcctccaa ccctttgggt ctccaccacc caagtttcct gtagggtcog ccgggtccag 60  
gatecacaggc ctgggtttcg tgagctgcct tctcaggtag ttttcaataa tggggttttt 120

<210> 1401

<211> 284  
 <212> DNA  
 <213> Homo sapien

<400> 1401  
 ctgtagccaa aaagatgctg gggcagattg tggacaagta gaagcacctc cttcccctct 60  
 gcgacattga acggcgtgga ttcaatagtg agcttggcag tgggtggcgg gttccagaag 120  
 gttagaagtg aggctgtgag caggagcctc tgccagggga catgcaatct gcagggaggg 180  
 gctgaggggg gtcccatggt ctctgctgtc ttctctgtcc acctctttgt agaggagctt 240  
 gagctccagg aatgctctgg tcagggctgc tgtgactgtt ggcc 284

<210> 1402  
 <211> 198  
 <212> DNA  
 <213> Homo sapien

<400> 1402  
 ccaggtttct gctggtacca ggctaagtag ctggtgctgg cgggaacact gtgactggcc 60  
 ctgcaggaga ggggtggctct tcccccgga gacagagaca gcgtgtctgg agactgtgtc 120  
 acttcaagct ctgcgatgcc atctgggagc cagagtagca ggaggaagag aagctgcgct 180  
 ggggtttcca tggttccc 198

<210> 1403  
 <211> 441  
 <212> DNA  
 <213> Homo sapien

<400> 1403  
 aaactcaaaa ttgacaaatt aactagcttg ctttttgtca tttggaagac taccattatt 60  
 caaatttatt atgtaataca ctcatccaga taatgaaaca tctgcgaaaa aaagtgtggg 120  
 aatcacctca tctgtgcata aaatggctat tatacatgaa tgcagacgtt tgaagttaga 180  
 aaggaatata actcaaatag caaaaggctc taattacaga gtttacaat aagcagtttt 240  
 attttcaaaa gtacatagta agtccagact gggctattgc caaagaacta atctttagtc 300  
 tacttcaaca tgttacatgg tattcctgac tctacagact atcagcatct gtggagggtta 360  
 gctcctaaag gtcccaaaga acaggaaaca tgcaggaata aaggactcct catgaagagc 420  
 aggtgggagc gagtgggcag g 441

<210> 1404  
 <211> 243  
 <212> DNA  
 <213> Homo sapien

<400> 1404  
 tgaaggggtt cttggaagac ctggcacctc cagagcgcag cagcctaatt caggattggg 60  
 aaacatctgg gcttgtttac ctggactata ttagagtcac tgaaatgtc cgccatatac 120  
 agcaggtgga ttgctcaggt aatgacctgg agcagttaca catcaaagt acttcaactgt 180  
 gcagtcggat agagcagatt cagtgttaca gtgctaaaga tcgcctggct cagtcagaca 240  
 tgg 243

<210> 1405  
 <211> 168  
 <212> DNA  
 <213> Homo sapien

```
<210> 1406
<211> 486
<212> DNA
<213> Homo sapien
```

```
<210> 1407
<211> 560
<212> DNA
<213> Homo sapien
```

```
<210> 1408
<211> 360
<212> DNA
<213> Homo sapien
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<210>	1409
<211>	208
<212>	DNA

<213> Homo sapien

<400> 1409

ccagtccaac	ctgctcctca	ttattgtata	aatgagcaga	atcaatatgg	cggaagccag	60
cttcaattgc	caatttggtg	gcctctaaag	ctttactttt	aggaacctct	gcaggcgcg	120
aggtgccaaa	tcccaggaca	ggcatgaagt	gaccatcatt	cagcttcaca	cactgatatt	180
tcgaatccat	ttctgtcact	agcctggc				208

<210> 1410

<211> 404

<212> DNA

<213> Homo sapien

<400> 1410

aaaaaaagga	aaaagtttta	ttacgaaact	agtttgtata	aaacagggtt	atacatattt	60
ttgtaagt	gtaataaaac	agtaagaaaa	aaaaggcagt	aatagaaatc	tccaaaaggc	120
aacctatcaa	aaccaactgg	ctgccacttt	gagtttggac	agtagctgca	taaactttgt	180
tcttcttg	cagtatttaa	taacatcatt	aatacattaa	caacatttct	ataaagtaag	240
acacattggt	gctgaagtac	aactgggtggc	ctcttgatct	cacctatgag	gagagttctt	300
tacamawcca	catagggaaa	attgcagttg	taagggtgarc	tacacatcta	aaatatgcag	360
aggtaatagc	attacatggt	aaagtatcaa	gatatacaca	tttt		404

<210> 1411

<211> 623

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(623)

<223> n = A,T,C or G

<400> 1411

ccacttggtg	agatatgggg	agcctacact	cgggagggst	gtaccttag	cactggccct	60
catctctgtt	tcaaatccac	gactcaacat	cctggatacc	ctaagcaa	tctctcatga	120
tgctgatcca	gaagtttcc	ataactccat	ttttgccatg	ggcatggtg	gcagtggtag	180
caataatgcc	cgtctggctg	caatgctgcg	ccagttagct	caatatcatg	ccaaggaccc	240
aaacaacctc	ttcatgggtg	gcttggcaca	gggcctgaca	catttaggga	agggcaccc	300
taccctctgc	ccctaccaca	gcgaccggca	gcttatgagc	caggtggccg	tggctggact	360
gctcaactgtg	ctgtctctt	tcctggatgt	tcgaaacatt	attctaggca	aatcacacta	420
tgtattgnat	gggctgggtg	ctgccatgca	gccccgaatg	ctggttacng	tttgatgagg	480
agctgcggcc	attgccagtg	tctgtccgtg	tgggccaggc	agtggatgtg	gtgggccagg	540
ctggcaagcc	cgaaaaactat	cacagggttc	cagacgcata	caaccccagt	gttgggtgggc	600
ccacggggaa	cgggcagaat	tgg				623

<210> 1412

<211> 171

<212> DNA

<213> Homo sapien

<400> 1412

gcggcgctgg	gggtgctgga	gtccgacctg	ccaagtgcgg	tgacacttct	gaaaaatctc	60
caggagcaag	tgatggctgt	aactgcacaa	gtgaaatcac	tgacacaaaa	agttcaagct	120
gggtgcctatc	ctacagaaaa	gggtctcagc	ttcttgggaag	tgaaagacca	g	171



<210> 1413  
 <211> 189  
 <212> DNA  
 <213> Homo sapien

<400> 1413  
 aaaagtcata aggggttttat tttgtatcat caaaatattc tataagggtcc caaataactct 60  
 ttttcaaccc atgaacagta agaatttgtg aattctgata atgaaaaaag ttttcctcca 120  
 ggtatgtttg tttcacattc agtcctaaag ccttgagcta tgtgtacttc cctcacacag 180  
 gaacaccag 189

<210> 1414  
 <211> 564  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(564)  
 <223> n = A,T,C or G

<400> 1414  
 cctccccagc gcccacaaagg ctattacaag tacctataga cttttcacat ataagttcta 60  
 gtgggtacaa gctttttttt tttttttttt tttttttttt tctattgggk atttcattca 120  
 ttttgggggg ggaacaaatt ctacaaactg ctttaaatatt gkcctttttt tctaatactc 180  
 acattaaactt tttatgtaaa acataccaat gcttttaata aagcttacat aggaataaac 240  
 tattatagac ctgcatagat ataagtaccc atgtattaat ctacattaaa ataatggatt 300  
 ttattctgcg aaractccaa gttgctcctg ggkgctaaag gaagcactta gggaaatgtg 360  
 ttcagtcctt gaggtcatag gaacattara ttatatcaaa ggaaacctgg agccatcagc 420  
 taagtggccc ttctgtcctg tagatacata aaaactaatg ggctccgcta tgcggtcac 480  
 tttctgctat tagatactat gaggcactaa naaaaaacta ctgcctgcat catatctttc 540  
 ttcggtttga gataaagaga atgg 564

<210> 1415  
 <211> 231  
 <212> DNA  
 <213> Homo sapien

<400> 1415  
 ctgcgcttgg ataacaagta attcaacgca cgcacttaac agaaatgtta aactataaca 60  
 agcaccattt gaggattaac aggaacattt ttttgaagat ttcaaacgaa ctgcactttc 120  
 agtataattg tacctaaagt atttataaac agctcatcgg agcctctatt tgtcatagac 180  
 ttttgagttg attgttggga ccacataata ggaccatttt tttttgtctt t 231

<210> 1416  
 <211> 540  
 <212> DNA  
 <213> Homo sapien

<400> 1416  
 cttgatthtag gatctgtggt gcagggcaat gtttcaaagt ttagtcacag cttaaaaaaca 60  
 ttcagtgtga ctttaaatatt ataaaatgat ttcccatgcc ataatttyttc tgtctattaa 120  
 atgggacaag tgtaaagcat gcaaaagtta gagatctgtt atataacatt tgttttgtga 180

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tttgaactcc taggaaaaat atgatttcat aaatgtaaaa tgcacagaaa tgcattgcaat 240
acttataaga cttaaaaaatt gtgttttacag atgggtttatt tgtgcatatt tttactactg 300
cttttcctaa atgcatactg tatataattc tgtgtatttg ataaatattt cttcctacat 360
tatattttta gaatattttca gaaatataca tttatgtctt tatattgtaa taaatatgta 420
catatctagg tatatgcttt ctctctgctg tgaaattatt tttagaatta taaattcaca 480
tgtcttgtca gatttcatct gtataccttc aaattctctg aaagtaaaaa taaaagtttt 540

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<210> 1417
<211> 350
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(350)
<223> n = A,T,C or G

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<400> 1417
ttnatcatct aactgtggga tctatttcat ttctggaaat aacacaactt agttctaggg 60
ctttcatgca catgaaatat aaaacagctt agttgttctg aaaacatgac aatgggttaat 120
tttattcaag tccaacact gagttcagag cacttctcca taggccccat taatctctcc 180
aggtttctgg gagtatcatt aaatccctcg gcatccttaa gaagcagggtg cttagcaaac 240
atccagtttc caaatgagag tcagaggggc ttgatcctga aagtgtagta ttttcctgcc 300
ttgtcctact ggtatagctt cttggaccta aaatctctct cctgctgagg 350

```

```

<210> 1418
<211> 425
<212> DNA
<213> Homo sapien

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<400> 1418
tgctaggcag cttatttttc ataaccawt tagggaaagg aaatttagga ttttcaaggc 60
tacattaatt tttcctccat caaatcttga tttgttcttg ataaaaatga gttcttttgg 120
ggaaattctt tctttagaca ccaacttggg ttttctcatc ttccacagaa taattgaacc 180
cctgacctct agatgttcaa aattccgctt caagcctctg tcagataaaa ttcaacagca 240
gcgattacta gacattgcc aagaaggaaa tgtcaaaatt agtgatgagg gaatagctta 300
tcttggttaa gtgtcagaag gagacttaag aaaagccatt acatttcttc aaagcgctac 360
tcgattaaca ggtggaaagg agatcacaga gaaagtgatt acagacattg ccgggggtaat 420
accag 425

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<210> 1419
<211> 390
<212> DNA
<213> Homo sapien

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<400> 1419
aaactcttgc tattgaattg agatgattaa aatgggtgact taatccgtag ttatttttgc 60
cccactgaaa ggaaagtgtt ttccagaata atatgaagta tctaaaagtg tcaccttttc 120
ttgcctgatc aacaatttgg gcttcctgtt tgtacaaggg gccatttggc atacctttca 180
cagcttttat caggccaagt taaaggctga ctacattttt tcatcatgag gaaagcagtt 240
gaaatgaggc atgagttact gtgcattggg atttttagaac aatttttctt tgacagctct 300
ttttgtgaag ttaggttctt aaaagtgcc atgatggtca cttaaaatgt gcagtaatat 360
cactgccagg atcaagcatg aaaggctttt
390

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<210> 1420  
 <211> 480  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(480)  
 <223> n = A,T,C or G

<400> 1420  
 ttgctgaaca atgacatcgt tttctccagg ggttgaaatc catgtccatg gctgacaacc 60  
 caacaaggct gggacccaaa ttcgtacaga gatgaggcag agtggagaga aacaactctg 120  
 gctgagccag agtctccagc cactacttct tattcctggg ctttagctct tcggctgcat 180  
 tacgcaggaa aatgtaattt ttttctggg gattataaaa ttcatgtccc ttgaccagt 240  
 cgtagctgga agcgtatgca aatatgtttc cattgygatt gaaacagcaa gctgasatgg 300  
 gctgayctaa ctgttccgaa gnttttagtt ttgktctggc atctttgycc cagaagctga 360  
 atctaccatc agatcccaca gttgcaaggg tgccatgaac aggatggaac gccgattcca 420  
 tttaccgcga taaatgycct gaggagctga agtggttggt ccattagatc gatgacattt 480

<210> 1421  
 <211> 453  
 <212> DNA  
 <213> Homo sapien

<400> 1421  
 aaactgattg aggtcacagt attttattat ttgggggtcct caccacagga aacactgcga 60  
 tacaggggca aaagagatgg cagtgccaat taaattaata caacaaaatc aatgcagcac 120  
 caaccaagac tgccaggtct ggtgtcatgg gtatgccag agcccaggag ttcagaaggg 180  
 ccctaagcct gatttaaatgc tctgctgttg atgtcttgaa attcttaaca atttttgaac 240  
 aaggggcctg cgttttcaact tcgcactggg ccttgcaaat tacatagcga gtgctcataa 300  
 aagaactcag aaacgtggta cctctcttcc tgggtggatac aaataaagaa atctggatcc 360  
 aaagttgaaa gttgctggcg atatcattca agtaggactc taaatagtgg attaagatga 420  
 ggggtgggcct ggggtgaagat tctttccagg ttt 453

<210> 1422  
 <211> 542  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(542)  
 <223> n = A,T,C or G

<400> 1422  
 ttttcttgac cactatacgg cacaacctag gggstgtawa aaacctascr caatgcagaa 60  
 ggggtgaagct tcatgacaat tgggtctcggc aataatttgg gggatgtaac atcaacgaat 120  
 cagacaacaa aagcaaggga atacacatgg nactaaatca gtgtgnngaa aaatatccca 180  
 aacaggcaaa gcacaacatg gamtagatat atgcacattn atggaccctg naggcakkac 240  
 tcacaaacat actacctggg aagcamctgg acctttaagg gatgaggtag attcaacaaa 300  
 cagggcancg tatmttccac tgggatagca ttccagcett aaaaataang aaatcttgaa 360  
 aagnactaca ataaggacaa atctcgaaca cattctgtta agtaaaacaa gacaagccaa 420  
 aaagggaaaa ctgtataatt acacctatgt aaaatattta gtcaaactca aagaaaccaa 480

gtgtttagt ctcagcaggg caccaagatg naaacagtct ctcatagnct gagatangca 540  
tc 542

<210> 1423  
<211> 252  
<212> DNA  
<213> Homo sapien

<400> 1423  
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gaacccctgc acgccctcta tgacaatgtg gagaaactct ttccagggtt tgagatagaa 120  
actgtgaaga acaacctcag gatccctttt aataatgctg taaagaaacg ttgatgaca 180  
gacagaagga ttggctgcct tttatcaggg ggcttgact ccagcttggg tgctgccact 240  
ctgttgaagc ag 252

<210> 1424  
<211> 273  
<212> DNA  
<213> Homo sapien

<400> 1424  
tttccactct gcacattgta gaggaacac tctgtaggcc catgggtccc ttactagaga 60  
ggttgagtga atttgccttc agttaacatg ggaccttctg tttagcttcc tcttgcttcc 120  
caaagatttt aagcattttg taaatgtata aactcacctc tggtaacagt ggcccagacg 180  
ctgctttgtg ctaaaagcat gggaaatgta aaggcagctt ttctctggga aatggatgct 240  
attctattct gctgccccta cctgttcctg agg 273

<210> 1425  
<211> 618  
<212> DNA  
<213> Homo sapien

<400> 1425  
aaaaaccttg tatagcaaaa taacttaaaa ccccttctga tatcatctta ccagtttatt 60  
tggtaaaaac aaacagttat ttggtatttg tcagaattct tcagtgcctg ctattacagc 120  
tattttccaa ttactaattt gattatactc actcaaggca gtgcaagatc ttgaagtaact 180  
tttttagcagt taagtaatat tgaattgtat tgaatagttt acatagttta ttctagtctt 240  
tgaaaattac tgaacatgga caatgtgcat gtcattgaca tctgccttag aacttctggg 300  
acaatcctga ttcgagagat tctatcccat tatttacata taccaaaaat actttgttaa 360  
tttaattgtg ttggcttcca actcctgaac acgacacaat tttattatta gattttgtat 420  
ggtgatttta ggctatgaaa acatgatcat tatatgtata tagatacatt tttatttggt 480  
acaaatgttt gagcagctca ctagcccacc cctcctctat tttgggtaag agaatttact 540  
acctttttta actatgtagt tgagagcaac atgtattttg ttatttttag aatggtcagt 600  
atattgctat aaaatttt 618

<210> 1426  
<211> 565  
<212> DNA  
<213> Homo sapien

<400> 1426  
gtggtagaaa gagatgacgg aagcacatta atggaaatag atggcgataa aggcaacaa 60  
ggcgttccca cctactacat agatactaact gctctgcgtg ttccgaggga gaatatggag 120  
gccatttcac ctctaaaaaa tgggatgggt gaagactggg atagtttcca agctattttg 180

```
<210> 1427
<211> 144
<212> DNA
<213> Homo sapien
```

```
<210> 1428
<211> 214
<212> DNA
<213> Homo sapien
```

```
<210> 1429
<211> 253
<212> DNA
<213> Homo sapien
```

```
<400> 1429
ccactagtc antttngtgg aattctgaag ccttaattgc ttatatccat gtttctagtg      60
aaatgagagg gtataacaaa aaagagaaca ggaggaaagc ttogctgtgc ctgaggaaat      120
aatctagtca aggcagcaag tctggatagt gctatagaga tgagatacct gagcagttcc      180
agaggaaaga gttggatca gaggccagtt ttcagtgaac actgtaaaga aaagccagat      240
gatgtgtcct gga                                     253
```

```
<400> 1430
aaattttact agtgttactt aatgtatatt ctaaaaagag aatgcagtaa ctaatgccct      60
aaatgtttga tctctgtttg tcattacttt ttcaaaatta tttttttctg taaagtataa    120
```

tatataaaac	ttcttgctta	aattgaatth	ctatattagt	ggttaattgc	agtttattaa	180
agggatcatt	atcagtaatt	tcatagcaac	tgttctagt	ttttgtgttt	tt	232

<210> 1431  
 <211> 734  
 <212> DNA  
 <213> Homo sapien

<400> 1431						
cattatacaa	cactatattg	ccaggtcaaa	gagggcaggg	acgtaaatgt	acactaaaat	60
gcmaatgtat	cccaaagaga	taaaacaaat	tccattttaca	gcatgaaggt	ttacaaatgt	120
acacctgtac	aaccaaggaa	agcatcacta	ctaaatttagc	aaggctttta	taataaacat	180
tgaaasaaga	tttcctttca	aagtgtaaac	ttacatctat	tactacacac	acaatgcata	240
tatttataga	aagcaaaaag	agctatctga	atatgtaatc	atgcttaaat	gctgagctat	300
caaattcact	tttcagtggc	cccttttcat	ctctatctgg	ttcctacttt	ctgcctctat	360
gaaaaagcaa	aataaagctc	aacacttcct	caacatgtct	gtaattctat	aagcaaaaaca	420
aaatacaaat	ttccactctt	tctcattgca	aaccaaactg	aaaagttaat	aagtgaactta	480
acttttcatt	tagtgcactt	aattggaagt	gtcaccatga	ttttgtatth	aactcttaca	540
acaattacat	atgtaagtat	atacaatatt	tctgtacatt	gccagagaca	ttttagggca	600
gtaattgtat	taaaaccaca	tctactgtaa	ataatgttag	gttcttttca	tctcaaacca	660
ctttattctt	gcctacttac	tcgttatttg	catgatagtt	tgtgaattat	caaaatacaa	720
cttaactctt	taaa					734

<210> 1432  
 <211> 542  
 <212> DNA  
 <213> Homo sapien

<400> 1432						
tttaagaaag	agcctttgag	aaacatgcat	actttttctct	tttctcctat	attcaatact	60
catatagcct	aaaagatgga	aactgggtca	agaatthtaa	tgacttggtc	cctaaaaagt	120
taatctcctc	acctttgtga	aatatatcaa	gtgcttttcta	taaataagg	caggaaatgc	180
taacttcata	agcatagtcc	tagtcattaa	aataatttga	tcactcttcta	aaattthaagt	240
atgatagtaa	cacagtaata	tggaaaatct	caatatactt	aacacttcct	aaacagcaca	300
atgaaatggt	gttcaagggtc	tgaatttaatt	tgctacagga	cctaagcaag	tctgtttgct	360
tatcttttgg	cttttaaaatt	ctttaagtct	aaaatgggtga	taattttaga	ataaactgac	420
aatgtgggga	acaaacttaa	attcacaaac	actaccata	tgctcaaaaa	ctctctggga	480
taattagttt	cttcattgta	actattgatg	tactattatt	tcacttttcc	attagctcta	540
ct						542

<210> 1433  
 <211> 175  
 <212> DNA  
 <213> Homo sapien

<400> 1433						
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tactaagtgg	tatagccac	tgtggagtgt	ggtctttttac	tcttccaaat	agcccaagtt	120
ggcaaaaggtt	acttaaaaaac	ctgcccccca	aaaagctaac	ttttggtaga	ttttt	175

<210> 1434  
 <211> 90  
 <212> DNA  
 <213> Homo sapien

```
<210> 1435
<211> 153
<212> DNA
<213> Homo sapien
```

```
<210> 1436
<211> 483
<212> DNA
<213> Homo sapien
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```
<220>
<221> misc_feature
<222> (1)...(483)
<223> n = A,T,C or G
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<210> 1437
<211> 171
<212> DNA
<213> Homo sapien
```

```
<210> 1438
<211> 408
<212> DNA
<213> Homo sapien
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<400> 1438  
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aacaagtgtt accaattggt acaccaaatt aaaatggcaa tattaaatcg gtaacaaaac 120

gatccacatt	ttatacaata	ttgtatttcc	aaacatacat	aggtcatgaa	aatcagagaa	180
cctaataatag	caccgttgaa	accattcatt	atccttcattg	tgtgtatgca	attcagaatt	240
tcggcagaag	acaacaaatg	gaaaatgcct	ttcgttttcta	taaatcattt	tggatttcaa	300
ttaaattcttt	gccttagtaa	agggtattct	tatctcaaga	tcaattagcc	gttttttagct	360
ccaccgtttt	ggaagtaaaa	atgatgagct	acatctactt	tttaattt		408

<210> 1439  
 <211> 168  
 <212> DNA  
 <213> Homo sapien

<400> 1439	
ttacacaaca	gctataaacc tgaacacata tgctatcatc atgccataag actaaaacaa 60
ttatatatttag	cgacaagtag aaaggattaa atagtcaaat acaagaatga aaaacgcagt 120
acatagtgtc	gcgaactcaa atcggcatct agatagatcc agtggttt 168

<210> 1440  
 <211> 307  
 <212> DNA  
 <213> Homo sapien

<400> 1440		
tttcacatac	gaagaaatca actgtgatta tgaagtgaca gccagctaaa tatgtcttgt 60	
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aatgcaggct	caaataaatt actaggatac aagattactt caagcctctt ttctgtggaa 180	
ctcataatat	gataagcatt tgttacaaga ttgcctgtag ttgttttaggg gacaaattat 240	
attaggggaaa	gaaagtcttt ctttagttgg tttaaattttc tattataatt ggggtactaaa 300	
tttattt		307

<210> 1441  
 <211> 684  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(684)  
 <223> n = A,T,C or G

<400> 1441		
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acggcagggc	ctgggaaggc cagatccttt ccccatccct gccacaaaca acccaaacct 180	
ttaaaggaga	gcaatggcct tgtgtcaaaa acaaaaacaa aacaaaacct tgtcctagga 240	
gactggggcc	ctaatttcta atagcaagcc tttatgagtc cctaacactc tactgggctg 300	
agtatctcac	acgccagagg ataacctgcc ttctgctcac caccaccccg tagtagttgt 360	
cattgtgtcc	atttcacaga tgaggcaaag gctcagaaga gtcattgtgt aaaccagctt 420	
ctagagccca	tgcaggagct gcagggtgga gaatcacctc taggtgctct tcccatagaa 480	
tcctcacctc	ctgagtgtca ctcaactcagc ttccaatggg tgtgtgacct ttgaccagct 540	
ttcttcctct	ctgggcctca gtttccacc tggacaaagt aagaggtctc ttggcttcan 600	
gtaagttctt	cctaaacttc tttttccttt tcatttgagc atcctcttca tttttgccac 660	
ctctctgtca	tttacaggct tttt	684

<210> 1442



[illegible]

```
<210> 1447
<211> 261
<212> DNA
<213> Homo sapien
```

```
<210> 1448
<211> 404
<212> DNA
<213> Homo sapien
```

```
<210> 1449
<211> 230
<212> DNA
<213> Homo sapien
```

```
<210> 1450
<211> 194
<212> DNA
<213> Homo sapien
```

```
<210> 1451
<211> 106
<212> DNA
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```
<210> 1456
<211> 181
<212> DNA
<213> Homo sapien
```

```
<210> 1457
<211> 309
<212> DNA
<213> Homo sapien
```

```
<210> 1458
<211> 117
<212> DNA
<213> Homo sapien
```

```
<210> 1459
<211> 575
<212> DNA
<213> Homo sapien
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<400>	1459						
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ctttwgmcaa	tactctkgtt	acottgaggy	agatmacrca	tgkgaaccaa	cttcggcata		180
catitttcagt	tqctcqcaqg	aatcatgtgt	tttaacgaaa	tqcgtcagta	tqaaaaactt		240

gaaaatattc	atgaatgawg	aacgcmttag	gaaaaaaata	kstattctca	tgcaattatg	300
tacagtctca	ctgtgtarat	ctcaaggcaa	ggtttgctc	ctgtaaacca	gatcaagggtg	360
ctatgagaga	ncgccytgnc	ttattgcatt	tcttttctcc	tmctgcgcca	gcattatatt	420
gctctagnct	ttatttttgt	gtgcacactg	acatgccatt	aaaratgang	ractatctca	480
catgtagaaa	argaaagnmc	ttggankcta	cctcaggctg	ctaccacgct	aaggggyaat	540
tctgcaggat	atccatcaca	ctggcggcgc	gattg			575

&lt;210&gt; 1460

&lt;211&gt; 444

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1460

ctgggggttc	cttccttcac	gttgagaacc	tggagcagag	agtctaccaa	cttaagaaat	60
attagaaaga	gttcagcaaa	cagagtgagc	tgaagtctaa	tcctagaagt	aaatccattc	120
ctacaagtca	tcagcatcac	ttgggagctt	gttagaaagg	caaattcttg	gttcagccta	180
acacctacta	aatcagaaac	tctgggggcg	gagcgcagca	atctgtactt	tcacaagccc	240
tgcaagtgat	tctgagcctg	taaaatttga	gaaccagagc	tgccccccag	gagataaatt	300
aacttctact	tttttttgag	ctactgcatt	ttgggatctt	attgttttat	cagcttaaca	360
tgcatcctga	tatgattact	caggtatggt	tcaaccaatg	ttggttaatg	tattatcccc	420
aggaacttat	tactagagga	gcag				444

&lt;210&gt; 1461

&lt;211&gt; 536

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1461

ctgcaaccct	gggactgacc	gggaggtctt	gattattttac	ccmaccacag	gtaggttgtg	60
ttctgaatct	caggttcaca	ggttaagggt	cagcatcctc	atcctccacg	gggttggagt	120
tggtgctggg	gatgaagggt	ttgggtggct	ctgcatagac	tgtgatcgct	gtgactgtgg	180
tcctattgag	gccactggct	gagttattgg	cctggcaggt	atagagtcgg	ctgttcttct	240
cagttagtgt	ggagataaag	agctcttggt	tgtgttgctg	gatgttccca	tcaatcagcc	300
aagaatactg	tgcaagtggt	ttagaggtct	catggcagga	gaggctgagg	ttcaccctg	360
gacggtaata	ggtgtatgag	ggggaaatgg	tggggkctc	ygggccatag	aggacattca	420
ggatgactgr	gtcgctgtgs	tyaracttta	atkogttctg	gattccacac	tcatagggtc	480
ctacatcatt	ccttgtgaca	ytgartagag	tgagggctct	gttgtcattg	gacagm	536

&lt;210&gt; 1462

&lt;211&gt; 409

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1462

ctgakagacc	aggagaagtt	ccagatgcag	agactgtgat	gctcttgact	atggaattat	60
tgcgggccagt	agccaagtta	gagacaaaac	aggcataggt	cccggttatta	tttggcgtga	120
ttttggcgat	aaagagaact	tgtgtgtgtt	gctgcggtat	cccattgata	cgccaagaat	180
actgcgggga	tgggttagag	gccgagtggc	aggagaggtt	gaggttcgct	cccgaagggt	240
aagacgagtc	tgggggggaa	atgatggggg	tgtccggccc	atagaggaca	tccagggtga	300
ctgggtcact	gcggtttgca	ctcactgagt	tctggattcc	acatacatag	gctcttgctg	360
catttcttgt	gacattgaat	agagtgaggg	tcctgttgcc	attggacag		409

&lt;210&gt; 1463

&lt;211&gt; 502

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1463

ccttcagcct	ggatccttta	tattaagatc	aatgaggacc	atctctggaa	gatgtctggc	60
atggtacaga	ctgtctgagg	ccractgaac	acaggccctt	accctgattt	tatcagtga	120
aagctatggg	actagtttcc	ttacctctaa	aatggagaga	ataatagaat	cttccgtcta	180
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tatcgtaaat	attcagtaaa	actagccacc	gttggtattg	taattattat	tttgtatttt	300
attatacatt	tcatggaaac	ttaaaagtta	gtgataatca	cctcattttc	agttgccttg	360
ctttcttcct	gtaaatttta	ttctctctta	tcttgctcac	tgtctttaag	cattgccagt	420
ttagtataat	tattttcccc	tatcctctat	aaaatcatat	acaggatgga	tttgttgatc	480
tcagacatgt	tcactgagtt	tt				502

&lt;210&gt; 1464

&lt;211&gt; 294

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1464

ggcggctcgg	actgagcagg	actttcctta	tcccagttga	ttgtgcagaa	tacactgcct	60
gtcgcctgtc	ttctattcac	catggcttct	tctgatatcc	aggtgaaaga	actggagaag	120
cgtgcctcag	gccaggcttt	tgagctgatt	ctcagccctc	ggtcaaaaga	atctgttcca	180
gaattcccc	tttcccctcc	aaagaagaag	gatctttccc	tgaggaaat	tcagaagaaa	240
ttagaagctg	cagaagaaag	acgcaagtcc	catgaagctg	aggtcttgaa	gcag	294

&lt;210&gt; 1465

&lt;211&gt; 249

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1465

gtgcaggtct	tcagccgtga	cccggtagcc	cagctctaag	ggaggtggca	gcatcaaagg	60
ctccccctgc	ctgcgtggca	gcagggggaat	cttgctgcta	cggggcctag	agtcatggga	120
tctgggggag	ccaccctgg	gggcaagtgt	ctgccctgg	gctgtacctg	ccttgttttc	180
acagcgggtga	cccgaagaga	cagcctgagg	tccgtcctca	ctcactgtgt	ttgaggaact	240
gtggggccag						249

&lt;210&gt; 1466

&lt;211&gt; 203

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1466

cctcagacac	cttttaattg	cttaggagaa	accattgtct	ctgactgcag	gtttgaataa	60
gttgaagacc	agagaaaagt	acacactggg	ctacaaagga	atttggagat	agccaaggaa	120
caggatttcc	cctagcaagc	taccttctgt	tcaaatcatg	aaaaaagact	atttcccctt	180
agaataggga	agcttgctat	ttt				203

&lt;210&gt; 1467

&lt;211&gt; 223

&lt;212&gt; DNA

&lt;213&gt; Homo sapien



<210> 1472  
 <211> 342  
 <212> DNA  
 <213> Homo sapien

<400> 1472  
 cttttgcgag cctctgccgc agcagctccg ttttcacgcg catctcgttt ttgtgtgtgt 60  
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 aaagacgtag aaagaaatct tagcaggtaa gatgggcgag ctttccgtct cccgccccac 180  
 gataatcgta tttttctact ccgattcgcc ctttctgggt tgagaagtgc ccccgtagaca 240  
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 gattgcgggg agatgcgtaa ttacgcgtgt gtttctttct tt 342

<210> 1473  
 <211> 526  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(526)  
 <223> n = A,T,C or G

<400> 1473  
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 acctctgctt ctctgctct gtaacaaacc cacaaccagg aagagtcagtg gtctggaaca 180  
 atcatgggac cccaaacgcc tgtaggtttt ttaccaccaa acatcaccca tggctgctct 240  
 aagctgtcat tttgttccca cagttaccta gcatcacgga tgcccaattt atggcccagg 300  
 aaggctgacc caggctaagg gcagtctcac tccacagcca tgcaatggac agtctgaatg 360  
 tttcctaccc cagaccttta ctgacctcta ctatttcctc ctctgatata aaagaaaaac 420  
 acttttaatt ttctnctgca tnctacatct cctnctaaaa antttggcct aattgncatc 480  
 aaaaccttgt aggaatctga aatttttggtt cttctgaatc ttancc 526

<210> 1474  
 <211> 187  
 <212> DNA  
 <213> Homo sapien

<400> 1474  
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 aggetacctg ttggttagat tcaaggcccc gagctgttac cattcacaat aaaagcttaa 120  
 acacattgtc caaaaaaaaa aaaaaaaaaa gccccykccc sgggggscck ttmaaggggr 180  
 aawtccc 187

<210> 1475  
 <211> 474  
 <212> DNA  
 <213> Homo sapien

<400> 1475  
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 cctcatagta tctaatagca gaaagtgagc cgcatagcgg agcacattag tttttatgta 120



```

tctacaggac agaagggcca cttagctgat ggctccaggt ttcctttgat ataatctaata 180
gttcctatga cctcaaagac tgaacacatt tccctaagtg cttcacttag caccaggag 240
caacttggag tcttcgcaga ataaaatcca ttattttaat gtagattaat acatgggtac 300
ttatatctat gcagggtctat aatagtttat tcctatgtaa gctttattaa aagcattggg 360
atgttttaca taaaaagtta atgtgaatat tagaaaaaaa ggacaatatt aaagcagttt 420
gtagaatttg tccccccccc aaaatgaatg aaatacacia tagatgtaca aaaa 474

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<210> 1476

<211> 401

<212> DNA

<213> Homo sapien

<400> 1476

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atgatgccct caaagatgat gacgtttgca ccatacagtg ttttctgtga agaaaccag 180
gagttgcgga gcctggtcga tgtgcctgca gccccccag gccccctctg caggggcctg 240
gcctaccag tccttcttcc ggctgtgcgt ggtgaagtca taaatgggca ccttgacact 300
cttccccctgc ttcagcttct tgagggtgga aatgatgaag gtcgaagtca aaaggcatct 360
gggggtgggtc gaaagtttga aagtttgctt gtggtgccgg g 401

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<210> 1477

<211> 753

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(753)

<223> n = A,T,C or G

<400> 1477

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cagcatgctt aaaaagttgg aggaattgga acagaaatac acctwmcaac ctkrmcctnt 60
taccaaaaac aaacnagtgg tatkggamcc sacctttmrk ctttttcmac macttatttc 120
aaagytsrtt kgtggkgaaa agmcacacyk snatscywcc rcacccttgw aggcygttgg 180
acttrataac akkntgctn atnwnrtgta ggggtgatay tgatgrtgaa attgcactta 240
gctgggttat aattkgaaag tcaaagtctt atttgataaa gatgtgaatg agagaaatac 300
agtaaaagga tttaggaagt tcaacatttt gggcacgcac acaaaaagtga tgaacatgga 360
ggagtccacc aatggcagtc tggcggctga atttcggcac ctgcaattga aagaacagaa 420
aaatgctggc accagaacga atgaggggtcc tctcatcggt actgaagagc ttcactccct 480
tagttttgaa acccaattgt gccagcctgg tttggtaatt gacctcgaga cgacctctct 540
gcccgtttgt gtgatctcca acgtcagcca gctcccgagc gggtgggcct ccattcctttg 600
gtacaacatg ctggtggccg gaaccagga acctgtcctt ctctctgact ccccttctgt 660
cacgatgggc tcancctttc anaagtgctt gagttggcag tttttcttnt tgtcacccaa 720
aagaaggtct caatggnngg acccanaacc ttt 753

```

<210> 1478

<211> 421

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(421)

<223> n = A,T,C or G

<400> 1478  
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 tgtccggtgg agatcccacc cgaacgtctt atctaatacat gaaactccct agttcccttca 120  
 tgtaacttcc ctgaaaaatc taagtgtttc ataaatttga gagtctgtga cccacttacc 180  
 ttgcatctca caggtagaca gtatataact aacaacccaaa gactacatat tgctactgac 240  
 acacacgtta taatcattta tcatatatac acatacatgc atacactctc aaagcaaata 300  
 atttttcaact tcaaaacagt attgacttgt ataccttgta atttgaaata ttttctttgt 360  
 taaaaatagaa tggatatcaat aaatagacca ttaaccaana aaaaaaaaga aaaaaaaaaa 420  
 a 421

<210> 1479  
 <211> 214  
 <212> DNA  
 <213> Homo sapien

<400> 1479  
 ggaaatatat aataaaaaatg ttaaccagaa ggtaaacttg agtgtaattg tcagacagac 60  
 aactttttcc accagtgtat ttgaatttta gaccagtgc cctgttttgt ggcattcatg 120  
 caaaacatgc tgagggcttt gttcatctgg tcatcgtgtc caaatttcag tcatgtttgt 180  
 agcaagattt tggaagcatt catatttcc tttt 214

<210> 1480  
 <211> 434  
 <212> DNA  
 <213> Homo sapien

<400> 1480  
 ggaggccgct tacgtaaagc ccagggggaca ttcaacagcc cctactaccc aggccactac 60  
 ccacccaaca ttgactgcac atggaacatt gaggtgcca acaaccagca tgtgaagggtg 120  
 cgcttcaaatt tcttctacct gctggagccc ggcggtgctg cgggcacctg cccaaggac 180  
 tacgtggaga tcaatgggga gaaataactgc ggagagaggt cccagttcgt cgtcaccagc 240  
 aacagcaaca agatcacagt tcgcttcacac tcagatcagt cctacaccga caccggcttc 300  
 ttagctgaat acctctccta cgactccagt gacccatgcc cggggcagtt cacgtgccgc 360  
 acggggcggt gtatccggaa ggagctgcgc tgtgatggct gggccgactg caccgaccac 420  
 agcgatgagc tcaa 434

<210> 1481  
 <211> 131  
 <212> DNA  
 <213> Homo sapien

<400> 1481  
 aaaatcccca taaatctttt ctgtcctgag gtagttgcaa aataaatcat aacttgata 60  
 tcaactagag ctgaggcttt gactttttac tcattaaaac tagttgttac aggaactacc 120  
 tttagatatt t 131

<210> 1482  
 <211> 324  
 <212> DNA  
 <213> Homo sapien

<400> 1482

tgctcgctcc	tcagaggctg	aaaacatgag	aagctaggtg	tggtgaaacc	aaagcagctt	60
tattgttcaa	atgctaaaga	cgaggaggatg	gactggctca	agccttaaag	aaaccatctc	120
gactttttga	actcagtga	cggttttaag	gaaaacgtgg	gaaatatgca	aaggtggtgc	180
aggaggggtgc	aggtctgtgt	gtcttattcc	catggatatc	ttgagtaatc	gcttgtccag	240
aggtgggggtt	tgtgtcatcc	tgaattcaac	ccagcaatgg	tagggtactg	ttcataactc	300
accctaagcc	agaagattcc	tcag				324

&lt;210&gt; 1483

&lt;211&gt; 393

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1483

atgtttaatg	aatgatacag	gatacatccc	tggttgaagc	ttgcaaaaga	cacatacaact	60
gtggtacata	tttgatttaa	tagaagttgt	ttatcaggct	atatatatat	ttgccccaac	120
atgcaccaca	ggataaaaata	actattttaca	taacataggg	tattttaattg	acatagacta	180
tcagcttttgc	tgagagcaga	agatggcaaa	gcaatactgc	agcagaaagt	ggaacaacta	240
ttctaaagca	atactttaga	tatatTTTTc	tagaatggat	ttattagatt	acttttttga	300
aagcatttga	cctaaattaa	atatagagct	ctgaaactta	gaataaaatt	tgcacttgct	360
gaaacagaat	actttgcata	aaaataatcc	ttt			393

&lt;210&gt; 1484

&lt;211&gt; 323

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1484

tttagatcag	aaagtttgag	gtcttcatca	gcagacactc	gtgcttctat	ttttcttgtt	60
ttatcgaaca	gttctgaaac	tttgagaaaa	aacttgcata	tatctgtaga	atcctgagtt	120
cctaaagcat	ataatgaaga	accaattcta	ttgtaatcat	ctgcagcact	tttgtgggat	180
cttgtcattc	tatcagattt	agcagatgca	tccttaactc	ggttatgata	ttccaaaaga	240
aatgttcgtt	cgtgctcaaa	gaaatcatct	acatccttta	ctcctgaaac	gattactcca	300
tctgctgatt	taacctgtgt	ttt				323

&lt;210&gt; 1485

&lt;211&gt; 405

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1485

aggagcgtca	ggaaaacacg	ggcagcctgg	gctctgaccc	gagccactcc	aactccacgg	60
ccacgcagga	agaagacgag	gaggaggagg	agagttttgg	gaccctctct	gacaaatact	120
cctcccggag	actattccgc	aaatccgcag	cccagttcca	taacctgcgg	tttggggaac	180
ggagagatga	gcaaattggaa	ccggagccca	aattatggcg	aggccggaga	aacaccccgt	240
actggtactt	cttgcagtgc	aaacacctga	tcaagggaag	gaagctgggt	gaagccctgg	300
acctgtttga	gaggcagatg	ctgaaggagg	agcgattgca	gcccattggag	agcaactaca	360
cgggtgctgat	tggggggctgc	gggcggggtg	gctacctgaa	gaagg		405

&lt;210&gt; 1486

&lt;211&gt; 230

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1486

```

aaaaatatgt ggattgtgct tgacgtagca aatttcttct atctgcaaaa gcccttttct 60
cactacctca tatacacccc ttgatatgg caccatgttt gaaattggag cgtacacaca 120
tagtcattgg atttactggg attctctttg tgacaagtag gagccaaggg gtcatgcagg 180
gaagcgaacg tgcccgataa ggatttcctt gttgccagag tgtttagcag 230

```

<210> 1487

<211> 273

<212> DNA

<213> Homo sapien

<400> 1487

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tttccactct gcacattgta gagggaacac tctgtaggcc catgggtccc ttactagaga 60
ggttgagtga atttgccttc agttaacatg ggaccttctg tttagcttcc tcttgcttcc 120
caaagatttt aagcattttg taaatgtata aactcacctc tggtaacagt ggcccagacg 180
ctgctttgtg ctaaaagcat gggaaatgta aaggcagctt ttctctggga aatggatgct 240
attctattct gctgccccta cctgttctg agg 273

```

<210> 1488

<211> 452

<212> DNA

<213> Homo sapien

<400> 1488

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cctactgtgc cccgtaggca aagctctgaa gatttcatcg aaaaatctgc tgtcaatacg 60
tagaaaagtt cactatttca gtttcacagc aaaaaagggtg gggggagggg ggaacccaat 120
agatatttaa gtagatgctt tccaatccca ttcactgcat taattagctt acctcttata 180
cagtacaaca taaacattgc atgtttattt gtatgtaaca cctataagca tatagcatct 240
acattttaag tgtatttaca aattcaacaa aatatctaca tataaaaagc tttacttaaa 300
attaaacttg atgcaagtta tgagaaacca atttattggc aaatgaaact gagcattcct 360
tcaaccatag gttgttatag attttcatat ttggaggtaa cccatttgat agatattggt 420
tatgaatacg atagaatata tatttacttt tt 452

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<210> 1489

<211> 653

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(653)

<223> n = A,T,C or G

<400> 1489

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cctgctcttc tcttcaaagc acttagtaca cagggktaca ggtgctacca cttggattcc 60
ccagagcatg gaagtctgat cccagggtga acatatttct tctgaaaatg agcatcttgg 120
ttctatagat tcttatcttg ctacaggac ttgctccaaa actgaatttt cagaagcagc 180
atgataggga aagagatatt caactctgac agacaaggta gatcgaagca cccacactaa 240
tttctttcag gtgcccocatg aggaagactg catcatgtca cttccactca cttggggaga 300
ttctaggact gagacacaaa gttccccag agtttctgct aatggaaggg gaaacagggtg 360
gtttggaatg gaaagggtgga accagggtcca caaatgtgc tccctctgct caagactgac 420
tttggtcttc ccagggtcccc acttgacttt catataagct gagatgacct attacgggaa 480
aaattaggga acaccttaata aaaccaactt tcaaaaactc ctatttatca tggatgtgcc 540
acgatcgaga gaatcnaaca cnaactgnct gtnagagagg ccttcattnt gnetcatctt 600
gagctaaaat cctgrcttgg gatgccagaa ancatgnccc tctntcggg ttg 653

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<210> 1490  
 <211> 363  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(363)  
 <223> n = A,T,C or G

<400> 1490  
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 acttccatat ttccacagcc atctccgaaa gcagcagttg ctgtaaatta actgagactt 120  
 ggaaatgggtg cagactgtct tggtagagct gttcttatag cacaatttta tctggaaaat 180  
 aaacttgtaa atgcgtgctg tatattaata catgtgtgcc catatttatt tttattatct 240  
 cctgccagtc tttgctcaat gggagatgac agaccaactt ctcaacgtga tttccccatt 300  
 tcattgaatg agattttatat gccacttatg aaaaaaata ctgctgngaa agaaatgtac 360  
 ttt 363

<210> 1491  
 <211> 163  
 <212> DNA  
 <213> Homo sapien

<400> 1491  
 taatcagccc ctaattttctc catgtttaca cttcaatctg caggcttctt aaagtgcacag 60  
 tatcccttaa cctgccacca gtgtccaccc tccggccccc gtcttgtaaa aaggggagga 120  
 gaattagcca aacctgtaa gcttttaaga aaaacaaagt ttt 163

<210> 1492  
 <211> 184  
 <212> DNA  
 <213> Homo sapien

<400> 1492  
 yattccccag gggaaaaatt gaaagtcaaa ctattcacca agagaatgca ttgtctttgc 60  
 aaatgagcct aagaatcaga ctttttataa atacatgttc aagtttcttg tggttctaaa 120  
 tggacactga gaactgaaac tgtctacacc aagtttataa tctatattaa ctatcattwt 180  
 acag 184

<210> 1493  
 <211> 273  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(273)  
 <223> n = A,T,C or G

<400> 1493  
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 gatacaagcc tatggcacac ttctccaaag caagctatac ttgagagcca attcccaaat 120

aagacagcag agatctgatt aaatgcaact gtgcaaacat tcaacagaca tgttgaatgt 180  
aagacaaatt atgattactg ataatatgca aatgtggtct ataaatttat gaatgtgact 240  
tccaagggga atatggtatg gaagcccatt ttt 273

<210> 1494

<211> 343

<212> DNA

<213> Homo sapien

<400> 1494

ttggaaagcc tatcactttc tctcttcatt ctccagcccc cacaccaagc acacagagct 60  
tttcagtgtc ttactcttaa tggagaacat aaccagggat tatcaggat tccaacatga 120  
aaaagaaagt ccaatagaaa caagcaggat aatcaaacca ggaggaagca gagactatat 180  
agagaaagaa aaaaagacac atgggaataa cggcaataat actgacaata cacctcacca 240  
taaacttatc agaatgaatt tgttggagaa atatatggag gggagggtact tgtgtgtgtg 300  
cacaggcact catgtacacg tgtgtatgtg tatgtttttt taa 343

<210> 1495

<211> 378

<212> DNA

<213> Homo sapien

<400> 1495

tagcattctt ccagccactc tggcgctcact atgtgcttca cgacagaaat cgccgtcagg 60  
aacttcacgg tgcgagtcac tttgctggca atgaggtgtg tgcacttctg tgcagactcc 120  
gcaacctctc caccaagaat gtagagcttc ttaatatact gttgaacctg gacaggctcg 180  
aatccagtga aaagcacaaa aggggtcaat tctggagtta gcttttttagt gggagggtgt 240  
acgtcttcaa ttctggctct tttggaagaa ggctggacat tagctacttc attctgtttc 300  
agtttgggag gtagtcttat actcatcaac aactctgcag acacttttaa gggaactctc 360  
caagcatcta aaagattt 378

<210> 1496

<211> 181

<212> DNA

<213> Homo sapien

<400> 1496

tggagaagga agttttcctg aagagccaga atccttgcta agtcatttag atccaactga 60  
ccatctttat ttctgtcaaa aatcttcacat atggtgccag tgtattcttc cagtttagcc 120  
tcagaaatgg ccttttttgtg gtgaagaaag aggtctcgga ggaagttgcg gagctcagca 180  
g 181

<210> 1497

<211> 373

<212> DNA

<213> Homo sapien

<400> 1497

tggaaagctga tccacottga gatcaagccg gccatccgga accagatcat ccgcgagctg 60  
caggtcctgc acgaatgcaa ctgcgcgtac atcgtgggct tctacggggc cttctacagt 120  
gacggggaga tcagcatttg catggaacac atggacggcg gctccctgga ccagggtgtg 180  
aaagaggcca agaggattcc cgaggagatc ctggggaaaag tcagcatcgc gggtctccgg 240  
ggcttggcgt acctccgaga gaagcaccag atcatgcacc gagatgtgaa gccctccaac 300  
atcctcgtga actctagagg ggagatcaag ctgtgtgact tcgggggtgag cggccagctc 360



atgcctgtgg gtgagttgag caacgtgatg aggtgttaac ttcctacagg gaggggctca 480  
aatattgccc aacagtggta tggccactg cctgggggtg tgggtggaag gctggcagga 540  
caaggagac cacgtgg 557

<210> 1502

<211> 249

<212> DNA

<213> Homo sapien

<400> 1502

cctgcgggga ggcgcgtgc aagaacctgc cgggtccta ctctgcctc tgtgacgagg 60  
gctttgcgta cagctcccag gagaaggctt gccgagatgt ggacgagtgt ctgcagggcc 120  
gctgtgagca ggtctgcgtg aactccccag ggagctacac ctgccactgt gacgggcgtg 180  
ggggcctcaa gctgtcccag gacatggaca cctgtgagga catcttgccg tgcgtgccct 240  
tcagcgtgg 249

<210> 1503

<211> 302

<212> DNA

<213> Homo sapien

<400> 1503

ccaggacctc ttttgggcat ttcttcctaa gtggaataca caacagataa gggagtaggg 60  
gaggtaatac aggggaagcta ctctttccag ctcagaagga gttgatgaag cccatatatg 120  
cattcaagaa gcccatggga tcctctagct gtgatagtg gctaattgtg tcatccagaa 180  
tcgacactgt ggaccgcggc agcgttttcc tgtacagctc caaaaactct ggatagggat 240  
ttacaggatc caatggccca tagataaaat gaatggggat agttacagag gcaagagctc 300  
cc 302

<210> 1504

<211> 430

<212> DNA

<213> Homo sapien

<400> 1504

ccacgatatc aactatattg ctttgtcagg tgttctctca aaaattggca gaagtggatga 60  
gaatccgtat gccccgctga atctcctggc tgactttgct ggtgggtggc ttatgtgtgc 120  
actgggcatt ataattggctc tttttgaccg cacacgcact ggcaagggtc aggtcattga 180  
tgcaaatatg gtggaaggaa cagcatattt aagtctttt ctgtggaaaa ctcaaaaatt 240  
gagtctgtgg gaagcacctc gaggacagaa catgttgat ggtggagcac ctttctatac 300  
gacttacagg acagcagatg gggaattcat ggctgttga gcaatagaac cccagttcta 360  
cgagctgctg atcaaaggac ttggactaaa gtctgatgaa cttcccaatc agatgagcat 420  
ggatgattgg 430

<210> 1505

<211> 164

<212> DNA

<213> Homo sapien

<400> 1505

ccagtcacct tcaccttcta actaactagc ctccggatga ggtggctgcc accaggcccc 60  
aatgatcccc aggagcccag cttccaaacc ccaacatoga atcaaacatc tccatcccca 120  
agtgcagtaa cacacaaaaa ccaaactc tgccctggga aagg 164



<210> 1506  
 <211> 189  
 <212> DNA  
 <213> Homo sapien

<400> 1506  
 aaaagtcata aggggttttat tttgtatcat caaaatattc tataaggtcc caaatactct 60  
 ttttcaaccc atgaacagta agaatttgtg aattctgata atgaaaaaag ttttcctcca 120  
 ggtatgtttg tttcacattc agtcctaaag ccttgagcta tgtgtacttc cctcacacag 180  
 gaacaccag 189

<210> 1507  
 <211> 268  
 <212> DNA  
 <213> Homo sapien

<400> 1507  
 ctgcacagag gggcacggaa ctccaaatcc tggaatgcgg gtcaataatg tgaattctgg 60  
 ccctgaccgc cagacacaca gcaagcctga gtcattctgcc gtcaccatgt cagccacaca 120  
 atcctgtccc tgggcaggct cggtggcaat gtctgtgatt ggcattctgg gcccagccag 180  
 ctctctgctc agtacaatgt tgggaccctt tgctgggatg tcaaacacca gcacccggcc 240  
 tgaccacgtt cccacacaga tgaagtgg 268

<210> 1508  
 <211> 159  
 <212> DNA  
 <213> Homo sapien

<400> 1508  
 aaagatggca aggcaataaa tgtgttcgta agtgccaacc gactaattca tcaaaccaac 60  
 ttaatacttc agaccttcaa aactgtggcc tgaaagttgt atatgttaag agatgtactt 120  
 ctcaagtggca gtattgaact gcctttatct gttaaatttt 159

<210> 1509  
 <211> 234  
 <212> DNA  
 <213> Homo sapien

<400> 1509  
 ccattgtgga gtacattatg aacacaaatgt gcttgykaag tcttctctct cattttcaga 60  
 cagcaattgt taagagtcac acacacgtcc cagacctaaag cagcaactcc agtgaatggg 120  
 actcagacac actcagggga cagcacagaa cttgattctt ctttgtctgt tgcccaaaga 180  
 acctgttctt tgagtctggt ccaggtgact tgtaatgata cctcttacgg tttt 234

<210> 1510  
 <211> 437  
 <212> DNA  
 <213> Homo sapien

<400> 1510  
 aaagcagtac atcttaatat gaagacagga atttctatga tgcttacgaa cattagactc 60  
 aacatttttg cagccccctt tcttgggtcta cattcacaca aacatgagac acagtcccaa 120  
 gggagaaaca gatgctggag gagcatttag ggccagagtg gaggcacaga ggaagctggg 180  
 atttttcaac taccocctcc ttgggttactc ctgggattcc cttaggattt cacggcacia 240

ccagcgaaga	gtttgctcag	attcacttcg	gagtagccac	ttcgggacaa	gaattgctct	300
gctgtgttct	tgagttttct	gtagtcctgc	agaactttgg	gggtaaaaaa	ttgcttcttc	360
aatttatctt	tctcatgac	ggtagtaagt	ttctccagtg	cacactccgc	atcaaaaatg	420
taccggtaaa	agcacag					437

&lt;210&gt; 1511

&lt;211&gt; 94

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1511

tgtgaagatg	gagtctgagg	ggggtgcaga	tgactctgct	gaggaggggg	acctactgga	60
tgatgatgat	aatgaagatc	ggggggatga	ccag			94

&lt;210&gt; 1512

&lt;211&gt; 493

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1512

aaaaatatgc	attacaactg	gagttttcca	ctgagaataa	gagtttggtt	ttgacctcmc	60
ataaatccaa	gggttcttga	aaaaaaagtt	aatataaatt	ctcaataact	atatcattaa	120
taccttatgt	atacatagga	gtttatataa	tgcatttaag	taacaaagaa	tgtaacattt	180
attagccacc	aagtaattag	gagatagcat	caattatatt	gaaagaagat	gagtttagat	240
gcttatagtc	aaggagggtta	attgaaattg	aaagctattg	taggtgggta	ctactattat	300
tatcaaacct	gaaagttgga	acatgtgaac	ttgatccttt	gcacacataa	aagttcacaa	360
agctgctttt	aatttgcctt	tgttctgtag	tactgcttgg	tgaatcatgc	actagtttgt	420
tgtaaaattc	atgtaaactt	ttatgtatac	aaatgtcaga	tcaagcacag	gttttattaa	480
ttatatatat	ttt					493

&lt;210&gt; 1513

&lt;211&gt; 510

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1513

aaatgaggat	tattgatagt	actcttggtt	tttataccat	tcagatcact	gaattttataa	60
agtagccatc	tagtacttga	aaaagtaaag	tgttctgcca	gatcttaggt	atagaggacc	120
ctaacacagt	atatcccaag	tgcactttct	aatgtttctg	ggtcctgaag	aattaagata	180
caaattaatt	ttactccata	aacagactgt	taattatagg	agccttaatt	tttttttcat	240
agagatttgt	ctaattgcat	ctcaaaaatta	ttctgccttc	cttaatttgg	gaaggtttgt	300
gtttttctctg	gaatggtaca	tgtcttccat	gtatcttttg	aactggcaat	tgtctattta	360
tcttttatctt	ttttaagtca	gtatggtcta	acactggcat	gttcagagcc	acattatttc	420
tagtccaaaa	ttacaagtaa	tcaagggcca	ttatgggtta	ggcattaatg	tttctatctg	480
attttgtgca	aaagcttcaa	attaaaacag				510

&lt;210&gt; 1514

&lt;211&gt; 511

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(511)

<223> n = A,T,C or G

<400> 1514  
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 agtaatggca agaataatatt gagcttttcc atgggttaaga gcgatatgtct cagaggctgg 120  
 agaaaatgtt cattctgctc agtgatccag gagtggtgagg acagtagctt cttttccacg 180  
 tccacaagac aatgacagat gtgtttcctt ctttgccctt tctagggatc tttctaggga 240  
 tgttgattct ctcacaatat ttcaatgtcc catttctgtg tttcttctcc ctccaggggc 300  
 tgatttacga ttacatgagt cttgtcacia taatttcttc cttaacatc aaggacaagt 360  
 tgatcactga gataagagct gatagttcca tttttattca gtctccactt ctgcctgaat 420  
 tgcccatgtt cagtccatag agctacttta gctccagggtg tgggtcccggc cnccatcaca 480  
 tcaagaactg gtttccactgg gccttggatt a 511

<210> 1515

<211> 176

<212> DNA

<213> Homo sapien

<400> 1515  
 aaaggggaag gkgaractta aaagtattcc caactagatt atctacacca atacattgga 60  
 actctatatt ttgttttcat tttgtcttaa aaaaatgaaa tagcaacgct ctatcagtca 120  
 cacagaggac atgcarattt agcagtattg atattatact ctatcttggt ggattt 176

<210> 1516

<211> 309

<212> DNA

<213> Homo sapien

<400> 1516  
 ctggggaaaa ccgtgcatta cctgcccac cgtgttcacg accagctcag caaccgcgtg 60  
 aaggacctga tggtcataaa ccgctccacc accgagctgc ccctcaccgt gtcctacgac 120  
 aaggtctcac tggggcggct gcgcttctgg atccacatgc aggacaccgt gtactccctg 180  
 cagcagttcg ggttttcaga gaaagatgct gatgagggtga aaggaatttt tgtagatacc 240  
 aacttatact tcctggcgct gaccttcttt gtcgcagcgt tccatcttct ctttgatttc 300  
 ctggccttt 309

<210> 1517

<211> 182

<212> DNA

<213> Homo sapien

<400> 1517  
 ccaacatcta atttttttac tttttaatta tagctgttgt gactgatgtg agatggcatc 60  
 ttactgtggg ttttgcttgc atttatttat ttgatgatta gtaaggatga gtgttttttc 120  
 atatacttga gtgtcttctt ttgagaaaat atctgttcat gtcccttggc ttttcttgat 180  
 tt 182

<210> 1518

<211> 548

<212> DNA

<213> Homo sapien

<400> 1518  
 cctgaggggag agggaaaagc ggatacccac ctgtgtcgct gtttgcggtgc caagtccagg 60



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ccacgtggga ctttgaagac agcacaacac agtccttccg ctggcatccg ctccggggcca      60
aggcggagaa atacgaagac agcgttcctc agagtaatgg agagctcaca gtccggggcta      120
agctggttct cccttcacgg cccagaaaaac tccaagaggc tcaagaaggg acagatcagc      180
catcacttca tgggtcaactt tggttgtag tgctaggagc caagaattta cctgtgcggc      240
cagatggcac cttgaactca tttgttaagg gctgtctcac tctgccagac caacaaaaaac      300
tgagactgaa gtcgccagtc ctgaggaagc aggcttgccc ccagtggaaa cactcatttg      360
tcttcagtgg cgtaacccca gctcag                                         386

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&lt;210&gt; 1523

&lt;211&gt; 178

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1523

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aaaaagccta tcccatactg aattgtggga acctatgaag tgtctcttaa tgtcaattaa      60
aagtaacagt ggctgcagat attgatttct gaaagtacat gagaatttgt ctctaactat      120
ggttgaaaca acaaaaacaa atctgaatca ggtagaggtc taccagacac aaactctg      178

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&lt;210&gt; 1524

&lt;211&gt; 319

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1524

```

wycacagcwg aaatggggca ctgaagtgtg gagscacaka atgcggggagg gcagaaccac      60
agacaggagg ctgagattga cctcctgagt gcaagctggt ctccccttca cctcctgcac      120
cctacgcaga tgggtgcttac cataggattg ccgtaaaaca gagacacgca ccagcgagaa      180
acttttagccc ttagtatccc atcctcagga cagaatcact cttaaacaatg ttgaaatata      240
tctgcttaga gcttttctat gtgtctatat aatgtatgca taatatacaa ttagaagcat      300
gtgattttat aacattttt                                         319

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&lt;210&gt; 1525

&lt;211&gt; 467

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1525

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ccagactaga cagagatcag gtcatcaggg gagcttccga gcttcagcaa agcccacagg      60
tagctctgcg aactcagaat gctaccctac cttccctgca ggccgctgtt catgtctgga      120
ctcctggggg cgctatttaa tgtttacccc catctccagt gccccctcca aggctgtgca      180
gtgtcttggg gctctcaggg ccaacatoga agagatgggg gccacctctt aacacctggc      240
aacagtctcc cctcatcctg attcctgaca acagacaaaa caccggtttc tagggtttat      300
ctgtttgttt tttgagttga gggttcctca gggccttggc attgctagtg atggtcccct      360
ttgctgtgtg agaacccctt caaccccttc ctccctccctc tggggatgaa gtgggagtat      420
ttggctcccc atttttgaca aaagggctca gtgcaggagg gtggagg                                         467

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&lt;210&gt; 1526

&lt;211&gt; 439

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1526

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aaactgttta ctggagaaaa tcctcgctca tgtccattta ttgttttttt ctgtactgtg      60
atttgtttca agcttaggaa aactagtata ttagagtatg ttctaggaaa ttaaaagatc      120

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tggttagagt	aaaaagttct	ttttaagggt	cttaactaat	tttttcacaa	ctaagaaaat	180
aaatgaagta	ttcttaggct	gaaattcatc	ttattttatc	ataaattaga	ttgtaggggc	240
agcctacatt	tttgtgtatg	tgtttttatt	tcttaaataga	ttgtgtgagc	ctgggtgacat	300
tttatggttc	ttgtgatcta	aactgttttt	ccaattcaca	tcttttgtcg	tgaagtgata	360
ttatactaga	gtactgtttg	cattgtaaaa	atgctttgct	ggtgctctgg	cattttgtct	420
ttatctcatc	acctaattt					439

<210> 1527  
 <211> 609  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(609)  
 <223> n = A,T,C or G

<400> 1527						
ctggagaact	tggtctccat	taggtgcaat	cggttgagta	attagcccat	cttttacatt	60
tcttgccaca	aaatctcgaa	gagctgccat	ttcaggttcg	gacagtgaat	acacatgtcc	120
actgggaata	ctgtgtgctc	caggatatcat	ttctatgtga	gggtcaacca	ggcgggtgac	180
tgggtagacg	tgctcatcta	ctggagtgtg	cacattctgg	acatagtaat	acctcactgg	240
ttggtaaact	ctgtatccat	ctactggata	atagagtggc	ggttgtggtg	ctgggtggtg	300
gagcgatggt	ggtattggag	aatacatccg	gcagtggtag	cggcagtatt	cagaatcaaa	360
gacgatagat	cgagtgtccc	atgtgatatt	gggatcatgt	gtgctcagcc	agcgaacccc	420
taggacgaca	gggaagaatg	gagactgagt	cacatcaaat	gacagcacct	ctcggtgatc	480
tcccagggtca	actatcaggt	cgtgagtttc	gtggacaact	gggcccgatg	ctatggggcg	540
cccatcaatt	gcttccacaa	gtattggacc	cgcccgggcg	gncgctcgca	agggccgaaa	600
ttccagcac						609

<210> 1528  
 <211> 393  
 <212> DNA  
 <213> Homo sapien

<400> 1528						
tgatgtaatg	aattcatatt	tattgatata	gaaaaatatg	atataatcca	tctaaaaagc	60
aagttacaaa	acagtgtaca	gtgtaccata	gtacctatga	acacaattag	tgaagtaatt	120
tgcagagcta	taataccaaa	tcagaaatta	ttttggtaat	gaatttatga	ttttcctcgt	180
tttctgattt	tttccatgat	ctcatatact	ttattctcag	aaaacaaaag	acaaaacccc	240
acacatacac	aaaaataaac	gagtaacttc	tttacaaccc	cagaggctaa	gtcagtggga	300
aaagagggaa	atgaatgggt	atgagcataa	acacagggac	aaataaaaaga	agtttggagc	360
acagagaaca	attcacaaat	cagaagtcac	ttt			393

<210> 1529  
 <211> 143  
 <212> DNA  
 <213> Homo sapien

<400> 1529						
atccgataga	atccagttca	atgaccttca	gtctttactc	tgtgcaactc	ttcagaatgt	60
tcttcggaaa	gtgcaacatc	aagatgcttt	gcagatctct	gatgtgggtt	tggcctccct	120
gttaaggatg	ttccaaagca	cag				143

<210> 1530  
 <211> 636  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(636)  
 <223> n = A,T,C or G

<400> 1530  
 gtggagaagc ggcttggtcg ggggtggtct cgtgggggtcc tgccctgttta gtcgcttttca 60  
 ggggttcctga gccccttcac gaccgtcacc atggaagtgt caccattgca gcctgtaaat 120  
 gaaaatatgc aagtcaacaa aataaagaaa aatgaagatg ctaagaaaag actgtctgtt 180  
 gaaagaatct atcaaaagaa aacacaattg gaacatattt tgctccgccc agacacctac 240  
 attggttctg tggaattagt gaccagcaa atgtgggttt acgatgaaga tgttggcatt 300  
 aactataggg aagtcacttt tgttcctggn ttgtacaaaa tctttgatga gattctagtt 360  
 aatgctgcgg acaacaaaca aagggaccca aaaatgtctt gtattagagt ccaattgatc 420  
 cggaaaacaa ttttaattagt atatggaata atggaaaagg tattcctggt gttgaacaca 480  
 aagctgaaaa gatgtatgtc cmmnctctca tatttggaaca gtccttaact tctagtaact 540  
 atgatgatga tgaaaagaaa gggacaggtg gtcsaaatgg ctnttgagcc naattgtgta 600  
 acatattcag tacccaattt actgnnggaa acagcc 636

<210> 1531  
 <211> 194  
 <212> DNA  
 <213> Homo sapien

<400> 1531  
 aaaaggcaga gcattctttt ttcggaatt ttgataagca aggtgtagat ttacattttt 60  
 gtccttgctc ccaacgaaat ggataaacia aaataactta ccatctactc atggaatgtt 120  
 gttgtgttag ccagtctgaa ggcccacott aatttttata taactgtctt tagctcttct 180  
 tttgacaggg cagg 194

<210> 1532  
 <211> 300  
 <212> DNA  
 <213> Homo sapien

<400> 1532  
 ccatacaagg taattttgac aggttccttg gattaggaca tgggcatctt gggaggccac 60  
 tactggccta ccacaactgg gcagcaaaac tattacaccc tccggtataa tagtttttgt 120  
 gtttcaatga ctgggaggaa aagggttgga attttttgct ttgggggtccc tcttaacctt 180  
 gtatttttaa ggtctgggac tcaccaaccc tccccttcca accagagaaa ctcaactgcag 240  
 tatctccttg aaagtctggt gacgagctctg tctaagtgtc ggtgagaggc acaggaccaa 300

<210> 1533  
 <211> 521  
 <212> DNA  
 <213> Homo sapien

<400> 1533  
 gttcctttgc accctgtaga tgttctagga tagttgatgc atgttactaa attacgtatg 60  
 caagtctgtg agtgcgctctg aggggacatc gccaggact gactgagaca cgatgccgag 120

acctcaagcc	ctgaggggca	gtcccaaaac	ccttacagtg	aagatgttta	ctcattgccc	180
ccacctctgg	tccacactag	aaagaagctc	gccccacctc	cacctgtgag	atccgtgaat	240
tctcggaatg	gcaggggaag	ccttgcaacta	ggttgcaag	aagcatcctc	cacatcctgt	300
gtcagaaacc	ctggtctccg	tggcacttgt	aactcacctg	gctgtctttc	ggtctgtgtg	360
tggttcttcaa	gccagctcta	ggcttcaggc	cgagccaggt	tcacactcag	aaagatgtct	420
ccccatcccc	attcggggct	gacgatgggg	ggctgatggc	tgccccctgog	tggcctgagt	480
cctggtccct	ctgaggcagt	tgacggggca	gtcagatttt	t		521

&lt;210&gt; 1534

&lt;211&gt; 181

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1534

actcaagaag	atgtattttaa	tgcttgacaa	taagagaaag	gaagtagttc	acaaaataat	60
agagttgctg	aatgtcactg	aacttaccca	gaatgccctg	attaatgatg	aactagtgga	120
gtggaagcgg	agacagcaga	gcgcctgtat	tgggggggccg	cccaatgctt	gcttgatca	180
g						181

&lt;210&gt; 1535

&lt;211&gt; 544

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1535

aaaataggac	actaaatcct	actctgaaag	gtgggtttgat	caggactaaa	gagaatgtat	60
gtagagtgtc	ttgtgcaacg	aattgtgggg	agcttggacc	caataaggta	gccagaatta	120
cccacaccat	catcatcttc	accaccatca	ttattgttat	cgacatattc	caatacactt	180
ctgaagggct	ggaagagaga	aatatgtttg	tgacagacagg	cggcagcagt	atttgatcca	240
ccaccacagc	tccaccgctt	gggggcagta	ctgatccacc	tgtgctcccc	tccttgcccc	300
agcctggaaa	gctaatttca	gactcaaaaa	aatcaagtac	agagcagcgc	accactcca	360
atgagtcatc	cccgccact	ctagacaaca	gcatgtctcat	gactcaaact	atcttcgtga	420
atggttcaaa	atatcaagaa	ttgggtttcca	tagtttcttg	actaaccaga	cacaaaattt	480
cccctacatg	cagagattca	tgtctcaact	tcaactgtac	attaaactca	accgggaaac	540
tttt						544

&lt;210&gt; 1536

&lt;211&gt; 591

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1536

ctgagttaag	atggtaaagc	caatattatt	ttaggaggaa	agaggacgaa	ggccaatgaa	60
ccaacatctg	cctgctatct	ggtgcatcac	ccaaggtgac	caatggctgg	gcacaaataa	120
acttctcttt	tgctagccac	agagttgctc	actgtggcaa	gcctgagctg	gtcagaacac	180
ctgtgtgtgt	gttctgata	cacactaacc	acaataagca	agtctgcaca	catctctatg	240
agccccatgc	aaagacaaga	cattoccaa	gatcagtcac	tagagtgcaa	caacgaaatt	300
caagatttga	ccaaaacaga	ccctgctgcc	tcctaaattg	ccaattgcct	ctcaaaaact	360
tacagaaaaa	gggacattat	aagaattcat	agaggagag	aagaaaaagc	tgctactcct	420
agtcattagt	acaatgtgct	gtgttaatta	gatacctcta	tataaattag	aaaaagtgtc	480
ttacttgcat	gcttcaataa	aatgaatact	gagtgtcgta	gtgttagatc	tgtacagata	540
taaatttttt	gcagctatat	aaaagtgtat	aagatgggct	tttgccattt	t	591

&lt;210&gt; 1537



<211> 341  
 <212> DNA  
 <213> Homo sapien

<400> 1537  
 acttcggggcc tccctctccc tgtgcagacc ggttgaataa atgataaaaat tactgtttgt 60  
 gtccctctgtg aagtctggat taatggaaaa aaggatttgt gaggctagtc ttaggctgta 120  
 gccaatctgg tgtgtctttt gtgtcttcc gtatggttcc atgataagga ggaatacctt 180  
 aggatagaat gcaagcctag gaccccataa gcctgttggt caagccaacc agcaaactgg 240  
 gcagtaacaa acattgctgc aggtttccat tttgttttac gtccttgga gcttgacctt 300  
 gtaaccacgt ggcagtacct tcttttggcc tctgccattt t 341

<210> 1538  
 <211> 363  
 <212> DNA  
 <213> Homo sapien

<400> 1538  
 ggacctgact ttgagtcctat cagagacaaa gtgagtgaga tgcacataca gtgtttccag 60  
 acctgactca gcccatctgt ctgttaggaa actttatgaa gacgcccccc agaattaaac 120  
 cctaattcaa atgtctcact ctgaatagag accttctgaa ataactcttg tatagagacc 180  
 cagacacgtg ccttttgcc taaaataaaa atatttagcc catgttggtt tatgtatctg 240  
 tctttcagtt agttttgaag gcccgcacgg aaaagtgggg cctgtgcacc tgaaaagaaa 300  
 tgtgtatgtt atgtggttgt tgggtctttcc tactagagtt atcttgataa ttgtgaagag 360  
 tgg 363

<210> 1539  
 <211> 371  
 <212> DNA  
 <213> Homo sapien

<400> 1539  
 ctgtgggggt ccttccagag aggagctgag atacgcctac ctggaggggc ccttgggcct 60  
 ggaggggctc ctgagtgtga ctgggtgaag tgttttcaga ggaccagggt tgaggttggg 120  
 ggcattctcat ccagaccctg ccggcatctg cccagaacc caagggcccc tccttccctc 180  
 ctctcaatg gaaatgctgg agatgtctc agtcaccctc tgagcactca cacatcacc 240  
 cttatttga aatttttctc actctaacct tcttctctgc tgcaccttct gccccatcc 300  
 caggctctgg cctctctctc tcctcttcta ccttttagca ggtaatgact cagttccac 360  
 tgaggagcca g 371

<210> 1540  
 <211> 403  
 <212> DNA  
 <213> Homo sapien

<400> 1540  
 ctkgacgtga tggagcaggt gagcagtgcc cgtggggctt gccagagggc tgaggaggac 60  
 cctctctaac cagctccctg tcccccttct tctgtagctt gagttgaaga agacactgct 120  
 ggacaggatg gttcacctgc tgagtogagg ttatgtactt cctgttgtca gttacatccg 180  
 aaagtgtctg gagaagctgg aactgacat ttcactcatt cgctattttg tctactgaggt 240  
 cagcaatgca ccgttggttt catgtttcat actgtttaca cttagcactgc cttttttggc 300  
 ttaatttagt tcattttgta cctaactgag aactgtgctt tctgatgtag tgatgacaat 360  
 gacagatact cgtttaccaaa aaagcacctt ctgcctgcag cag 403

<210> 1541  
 <211> 428  
 <212> DNA  
 <213> Homo sapien

<400> 1541  
 taaaacaaaa ctaaagaaga gaaaatatat tctcgtaaat tatctgaact taaaagatgg 60  
 aagcctggag atagatttgt gataagccat tgcctgagtag atcctagagt tcttgataat 120  
 ttcagttggg taaattacaa tagtttgcta tttcctccct cacattttat gttctacagt 180  
 atctagctgc ttgggttttc ctgtatacca tggggcttct gtcactctggg ctttactcag 240  
 tggcatattc cctctgccta aaactctcct cccctctcca ccttagaagt agcttttcct 300  
 agaacgggtt tcccagggtt tcacctaagg tgatagtaca atctacaggg acctgcacat 360  
 gaagaccttt gcatacatgc caggaaggtg gactttatct ttggaaaaag ggagcctttg 420  
 aaggtttt 428

<210> 1542  
 <211> 345  
 <212> DNA  
 <213> Homo sapien

<400> 1542  
 awttaaatgc ttagcaagca gcaattccac gatgggtcaaa ttcctaatat gagagaagta 60  
 gaaataggaa aaataggcca ccctgatact tatgtttttca ttttgcttaa taccggtttg 120  
 tatattttcaa tataacatta atagatatcg tgctcccttca cagttctaaa gtagtaagca 180  
 aaatgaatta atttaaccta tgcaattaaa accaattttg aagaatattg aggtagcaca 240  
 ctgttacggg aattagtatg actcagtaat gcagttgaaa gttagtggct cctaattccag 300  
 tatgaatcat ggagatgaga gaaatgatta gataaagaga tattt 345

<210> 1543  
 <211> 420  
 <212> DNA  
 <213> Homo sapien

<400> 1543  
 aatattgaat ttctagaagc agtatattgc ttactgcttc ttaattacgt tatagatgag 60  
 gtggaaatga taaaaactaa agaagcaaga ttaattctta acacacattt caggctgttg 120  
 taaaagaata aacaatgctt catataaact tctagcaaat gacttcctaa tgaggtcttg 180  
 aaacagtctt tagggcacgg aatgtcatca cataattaag cagctttaag cctttattaa 240  
 aaggcttaaa gtcgcaaaca atgaaatctg aaacaaactg taccatatta aactttttga 300  
 tgatattttca aattcagtaa aagaaaaaaa ggatggttca gaataacatc acgtattcta 360  
 atcctgaaac acataacaaa tgcactctgaa acagcaattc ttaaaaagggt tttgcccttt 420

<210> 1544  
 <211> 306  
 <212> DNA  
 <213> Homo sapien

<400> 1544  
 ctggcttcac tcctactccc tctctgctcg cagcacgtcg gccgccagct ctttgatgtg 60  
 ttcccaggcc cgctgcacat gggcagattc caccgtgcga gaacagatgg caaagcgcag 120  
 gacaaaacttg tccctgaggt gacatggaac caagtggatt tttttggcac tgtttattct 180  
 ttgcagaaga gtttcattca ctttggttga acccttttagc cgaaagcaga caagccccag 240  
 aatgacttcc acacagattt caaagcgggg atcctggcgc accagtgact caaactcatg 300  
 ggacag 306

<210> 1545  
 <211> 110  
 <212> DNA  
 <213> Homo sapien

<400> 1545  
 ctgctccggg ccttcacact gaagatcagc gtgtgcatg ccgtcctgga ccacaacccc 60  
 ccaggctgta ccttcacagt cctgggtgcac acgagagaag ccgccactcg 110

<210> 1546  
 <211> 239  
 <212> DNA  
 <213> Homo sapien

<400> 1546  
 aaagaaatat gacacgggtgt tggatattct aagagacttt tttgaactca gacttaaata 60  
 ttatggatta agaaaagaat ggctcctagg aatgcttggt gctgaatctg cttaaactgaa 120  
 taatcaggct cgctttatct tagagaaaat agatggcaaa ataatcattg aaaataagcc 180  
 taagaaagaa ttaattaaag ttctgattca gaggggatat gattcggatc ctgtgaagg 239

<210> 1547  
 <211> 527  
 <212> DNA  
 <213> Homo sapien

<400> 1547  
 aaaaattcca gttgagattt ttctggttct ctgtataaag attgactgga acatatacat 60  
 tttgggggtt atgtttggag actttggctc ttattcaaac ctccattttt agttggcttc 120  
 ttctgacagt gcttcagcat ggaagcaagg agggggcctc attactgcca ggtaagggta 180  
 aaaatctagt ttctctgctg ggtctccatt gtcactaaga aaggaatggc tctgttattg 240  
 ctgggcaggg ttggctgttc caactgataa tcctatgtct gggagggcta ggagtgcctc 300  
 cttgctgttc ctctgtttgt ttccactgac agtggagtgg ccttgttact gctgggtggt 360  
 ggttgagagt tctggctctc tactagggag gacacaacct cagtgtagag aggcggggat 420  
 acctgtttac tgtcaggcac aggcggagggt ccagtctcct tactccacct acccaacagg 480  
 gtagcttgag gcacttcatt attgcctagt gagagtggaa gtttagg 527

<210> 1548  
 <211> 333  
 <212> DNA  
 <213> Homo sapien

<400> 1548  
 ctgtgggcgg agctagtagg ggcggggcta cgtgattgac acttctctcc tcagacttca 60  
 agggctacca ctggaccctt cccctgtctt gaaccctgag ccggcaccat gcacggacgc 120  
 ctgaagggtga agacgtcaga agagcaggcg gaggccaaaa ggctagagcg agagcagaag 180  
 ctgaagctat accagtcagc caccagggcc gtattccaga agcggcaggc tggtagctg 240  
 gatgagtcgg tgcctggaact gacaagccag attctgggag ccaaccctga ttttgccacc 300  
 ctctggaact gccgacgaga ggtgctccag cag 333

<210> 1549  
 <211> 438  
 <212> DNA  
 <213> Homo sapien

<400> 1549  
 ttgacagtgt acgctggagc aggttccagg gtggggctgc cctgccgcct gcctgctggt 60  
 gtggggaccc ggtctttcct cactgccaaag tggactcctc ctgggggagg ccctgacctc 120  
 ctggtgactg gagacaatgg cgactttacc cttcgactag aggatgtgag ccaggcccag 180  
 gctgggacct acacctgcca tatccatctg caggaacagc agctcaatgc cactgtcaca 240  
 ttggcaatca tcacagtgc tcccaaatec tttgggtcac ctggatccct ggggaagctg 300  
 ctttgtgagg tgactccagt atctggacaa gaacgctttg tgtggagctc tctggacacc 360  
 ccatcccaga ggagtttctc aggaccttgg ctggaggcac aggaggcca gctcctttcc 420  
 cagccttggc aatgccag 438

<210> 1550  
 <211> 204  
 <212> DNA  
 <213> Homo sapien

<400> 1550  
 aaaactaagt tattccaaca ctaaaagcat acaacagcat gccaacagta atatattatt 60  
 ctccaagact ttacctatgt aagtgttcaa aactctgcag cattaaacaa cgtgtatgca 120  
 aattgttatg gatacatctc agaattctaa aaatcaggca agtgcttaaa aggccaacgg 180  
 tccaagggat tacatctgca gttt 204

<210> 1551  
 <211> 132  
 <212> DNA  
 <213> Homo sapien

<400> 1551  
 ccatctgtgg atttgtctgt gcacctattg gctcttctag ctgactcttc tggttgggct 60  
 tagagtctgc ctgtttctgc tagctccgtg tttagtccac ttgggtcatc agctctgcca 120  
 agctgagcct gg 132

<210> 1552  
 <211> 433  
 <212> DNA  
 <213> Homo sapien

<400> 1552  
 ctgaatagag gtcaacacag ttgcgatggt gagggatggt ctccaagcac cttttggtgg 60  
 caatttgaga acatccagac aaatccttcc agcagaatca atgtttggat gataaattgg 120  
 agtgagaaat cggatctgag gaggttcaaa tgggtacctc tcaggaatga taacttctag 180  
 cttaaaaaaca cttttctcat aaggtgtggt ggctccacct aatatttgag ctgcaggtc 240  
 atccatttgg tctttatctt gccaacatgt gatgcctggg ggtggctctg tggctaaccat 300  
 gtgcagctct ctcttcagac gtgaagctct ctgcatgata cccaagtaga aggaaccaca 360  
 cacagttcac tgotccacac taagagctgs ctgggatgca ctgagctgac accctcaca 420  
 acgcagcaac gcg 433

<210> 1553  
 <211> 316  
 <212> DNA  
 <213> Homo sapien

<400> 1553  
 gagcaaggct tgctgagaac agaccagtc cctgaggaag gagaagatgt tgctgccacg 60

```

atcagtgcc aaggtagaag gcagagatca aaaggggtggc caggctggac
cagagaccct aagaaatcca agcggaaact aagacgtgac agaag
ctcgggaagag gactctgtct tggaatcaat agcaacatct
gagcaggaag caagtgttag tctctacagg gcttacaaga
agctaagaag cagcaaaaaga aactaaaaca agacatctga
agaacttgca gaagcatcta gaacattgcc aaccttatcc
120 180 240 300 316

```

```

<210> 1554
<211> 542
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(542)
<223> n = A,T,C or G

```

```

<400> 1554
aaaggaatta ttctggcagc acatgtagta ttcttggatg atcttgctgc tcttatttct 60
ccttttgtgt gtgtgtgtgt gtgtgtggct atgggttttc atttgtaact ccatctgctt 120
argagagtgg gctctctata agggaacctg ctgtaaaactt cattgcagca aggatgtaga 180
gagaaatagg acttaattcc actaggggct ctcatctcac accttaagga ggagatttct 240
agaaaaactg ggccagattt tctttgytct ccatcatttt aatgtggcag gctgytcagt 300
tttcttactc ttacctatgw gatatttctt cgtaacgtgt ccaaaaagaa aaaagaccca 360
atcagtgtct cttgactttg ttctttgatc cctcagtttc ttcttgattt cagcatgtgt 420
cggggttcct aattttgggt atgagtttagc aaatttaacc attgtgtttg tgccctaccc 480
aggggactcc ccagtttctg acttgaagta gactganaag aatccacgag gngctatttt 540
gg 542

```

```

<210> 1555
<211> 117
<212> DNA
<213> Homo sapien

```

```

<400> 1555
ctgtctgtgg cttcccatgt ctttctccaa agttatccag agggttgtga ttttgtctgc 60
ttagtatctc atcaacaaaag aaatattatt tgctaattaa aaagttaatc ttcatgg 117

```

```

<210> 1556
<211> 111
<212> DNA
<213> Homo sapien

```

```

<400> 1556
ctgctgcagc cgcagtttct catccggagt gtaccccgtc atgtcgccgc tggtagcaac 60
gcaaaaggac acggcgccacc ctcgaactac ggactagtta cttaagcgcg c 111

```

```

<210> 1557
<211> 454
<212> DNA
<213> Homo sapien

```

```

<400> 1557
cgaggactga tctcttagta ctaagtgact ggggatatta caytarccaa cattgggttga 60
tacatacctk artmatcatw tgaggaygca gtgataarsg satawwmywg tatsatccya 120

```

F06050"32964350

acaygyacta rctcaaaaaac tagtgggggc ggattgatct cctgtggggac wkacacatgsc 180  
 ctgaaagtga acatgmtcmt ratcacctgc agrgcttgag atggyccmca tkgcwgcact 240  
 ccgccccyac aktttttgaw tcwacwggag ttaggswgmt yctwgawtta kcctttctac 300  
 ctgcctccyg akagrwcwc wygastwga kgaatssatt gackkctaag rttakacttc 360  
 cactaactct gtacgmtgar ctcttactaa tattcgttac cacgctaaga ggctctgctc 420  
 caggatctca tcgcgactgg aaggaacctc cagc 454

<210> 1558

<211> 404

<212> DNA

<213> Homo sapien

<400> 1558

aaagaagtgc agttgatatc taatttacac agtgaaacta gtgatagaaa ataactaatg 60  
 aaaaaaaatc agagactggg ttccaattga ttgacaccta gatctgtcag cctctcttaa 120  
 agaaagggga aggagaaaaa aaatctcatc atggaaggca gacaagagtc cacctgacag 180  
 aggtgggaatc tgatggaatc tgacccatt tcatgataaa cgagaggaaa cataaatgcc 240  
 atctcaaata ctaaagcgat gtagtgtagc atgagtgact caatgcaaat tcacagagga 300  
 aaagaagtta cggcttagga agtaggacaa taaatacaaa tatttcatct tatttaattg 360  
 tgcattgactt cagtgaact accctttgca atgcaataaa tttt 404

<210> 1559

<211> 266

<212> DNA

<213> Homo sapien

<400> 1559

aaactatcag aagagatgag agggaattga tctacaatac tagaatttta tgtgcagaca 60  
 aatccacatc tggaaatgaa atcacagtaa gatattttcg ggagaccaa acataaaaaat 120  
 tgctagaata aatttgccac gaacgagtaa ctagacatta gaaattgact acatagatat 180  
 agtaatacta aaagtgtgaa aaacaagcaa acacaacaca cacatttctca attctttttt 240  
 tttctatcaa atatcttcaa cttttt 266

<210> 1560

<211> 142

<212> DNA

<213> Homo sapien

<400> 1560

aaaactcagt atcttttgaa ccagaggcat ttctgattag cccttcccta cctattttcc 60  
 tagtatcact ctttaatcag cttggggagg tggcagcatt tcatggcctc cgtagtaact 120  
 cacaatgctt cctggggtat tt 142

<210> 1561

<211> 381

<212> DNA

<213> Homo sapien

<400> 1561

aaacactaaa tgaagcttct cacaatttct aattataaac aaaaggctga aaacagtatg 60  
 ggaaacaaaag tttaaaaaca aagaaaagtt gagtaaaagg tgccccctct atggctcatc 120  
 tgaaagaaac attttactca gagaggcaaa catttctgat ctaggagtaa gtttccact 180  
 cactttgcaa ggacccactc attctgcaga aagacctaca agtctttctg gtctcaattg 240  
 caaagtacgt gaaaatgtgt atgaaagatc taaaagctaa atattagaat aaggctaatt 300

gaaatcaaaa ttgtgtgctg gtctaaatat acatcttcgg cttcttctt tttagtaagt 360  
 atttttattt cagatgtatt t 381

<210> 1562  
 <211> 368  
 <212> DNA  
 <213> Homo sapien

<400> 1562  
 ggagaaagga gaaccgtaca tgagcattca gcctgctgaa gatccagatg attatgatga 60  
 tggcttttca atgaagcata cageccaccgc ccgtttccag agaaaccacc gcctcatcag 120  
 tgaaattctt agtgagagtg tgggtgccaga cggtcgggtca gttgtcacia cagctagaat 180  
 gcaggtcctc aaacggcagg tccagtcctt aatgggttcat cagcgaaaac tagaagctga 240  
 acttcttcaa atagaggaac gacaccagga gaagaagagg aaattcctgg aaagcacaga 300  
 ttcatttaac aatgaactta aaagggttggt cgggtctgaaa gtagaagtggt atatggagaa 360  
 aattgcag 368

<210> 1563  
 <211> 411  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(411)  
 <223> n = A,T,C or G

<400> 1563  
 accwtrsaac tgcawttatt acctatgcta gntttggata agaamtgkyc wtayatgtga 60  
 kagcaagagg gcacyaraws wrcttsaaca ccaawgggcm ktactwtata kawmcgawgg 120  
 gcatgctwtm atgaccaact grmtgactgt ttgagaatgg acaargtgct agcgctaacc 180  
 ctgtccttct tgaacrtggc ttgactaacg kcwttgatac gtttccttca kkasaatact 240  
 attactasac tttgktgctt gattaccgac tgggtgcaact ttgmtctcac ctatgargac 300  
 agtgctttac acaaactcrt akggaaaatt gnntttgtmc tgtganctac tcatcygaga 360  
 nctccctaag ggctaacatt ncatgtttcc gtctcactag ctacacgttc t 411

<210> 1564  
 <211> 602  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(602)  
 <223> n = A,T,C or G

<400> 1564  
 ctagtttttaa gatcagagtt cactttcttt ggactctgcc tatattttct tacctgaact 60  
 tttgcaagtt ttcaggtaaa cctcagctca ggactgctat ttagctcctc ttaagaagat 120  
 taaaagagaa aaaaaaaggc ctttttaaaa atagtataca cttattttta gtgaaaagca 180  
 gagaatttta tttatagcta atttttagcta tctgtaacca agatggatgc aaagaggcta 240  
 gtgcctcaga gagaactgta cggggtttgt gactggaaaa agttacgttc ccattctaata 300

```
<210> 1565
<211> 473
<212> DNA
<213> Homo sapiens
```

<400> 1565						
ctagtccagt	gtggtggaat	tcattccagg	ggctaccctt	ggctctctgt	tgccagtggt	60
catcatcgca	gtgggtgtct	tcctcttctt	gggtgctttt	gtgggtgctg	gcggggcctg	120
caaggagAAC	tattgtctta	tgatcacgtt	tgccatcttt	ctgtctctta	tcatgttggt	180
ggaggtggcc	gcagccattg	ctggctatgt	gttnagagat	aaggtgatgt	cagagtttaa	240
taacaaactc	cggcagcaga	tggagaatta	cccgaaaaac	aaccacacag	nttcnatcct	300
ggacagcatg	caggcagatt	ttaatgtctg	tgggtctctg	aactncacag	attgggagaa	360
aatcccttcc	atgtngaaga	accaggtccc	cgactctctg	tgcattaatg	ttactgtggg	420
ctgtgggatt	aatttcaacg	anaaggccgat	ccataaggag	ggctgtgtgg	aga	473

```
<210> 1566
<211> 53
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> (1)...(53)  
<223> n = A,T,C or G
```

<400> 1566  
ctagtattatta atagnaatca attncggngt cattagttica tagcccatat atg 53

```
<210> 1567
<211> 136
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(136)
<223> n = A,T,C or G
```

```
<400> 1567
ttattgattt ttttttttca ctttcccat cactctcaca cgcacgctca cacttttttat 60
ttgccataat gaacogtcca gccctgtgg ngatctccta tganaacatg cgttttntga 120
taactnacaa ccctac                                     136
```



<210> 1568  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(192)  
 <223> n = A,T,C or G

<400> 1568  
 ttgngtctgt gtgagnnggt tgaccttccct ccatcccctg gtccttcnct tnccttnccg 60  
 aggcacagag agacagggca gnatccacgt ncccatnttg gaggcagana aaagagaaag 120  
 tgntttatat acggtactta tttaatatcc nttntaatt anaaantnaa acagttaatt 180  
 taattaaaga gt 192

<210> 1569  
 <211> 575  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(575)  
 <223> n = A,T,C or G

<400> 1569  
 ctagttctgt cccccagga gacctggttg tgtctgtgtg agtggttgac cttcctccat 60  
 cccctggtcc ttcccttccc ttcccagagc acagagagac agggcaggat ccacgtgcc 120  
 attgtggagg cagagaaaag agaaagtgtt ttatatacgg tacttattta atatcccttt 180  
 ttaattagaa attaaaacag ttaatttaat taaagagtag ggtttttttt cagtattctt 240  
 ggtaaatatt taatttcaac tatatatgag atgtatcttt tgctctctct tgctctctta 300  
 tttgtaccgg tttttgtata taaaattcat gtttccaatc tctctctccc tgatcgngga 360  
 cagtcaactag cttatcttga acagatatatt aatttttgcta acactcagct ctgccctccc 420  
 cgatcccctg gtccccagc acacattcct ttgaaataag gtttcaatat acatctacat 480  
 actatatata tatttggaac cttgnatttg ngngtatata tatatatata tgtttatgta 540  
 tatatgngat tctgataaaa tagacattgc tattc 575

<210> 1570  
 <211> 392  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(392)  
 <223> n = A,T,C or G

<400> 1570  
 ctagtccagn gtggtggaat tccgccgcca tcatgggtcg catgcatgct cccgggaagg 60  
 gcctgtccca gtcggttcta cctatcgac gcagcgctcc cacttggttg aagntgacat 120  
 ctgacgacgt gaaggagcag atttacaac tggccaagaa gggccttact ccttcacaga 180  
 tcggtgtaat cctgagagat tcacatggtg ttgcacaagt acgttttgtg acaggcaata 240

TC050-226480



agtcacttcc actggtggac cacgggcccc cagccctgtg tcggccttgt ctgtctcagc 120  
tcaaccacag tctgacacca gag 143

<210> 1575  
<211> 112  
<212> DNA  
<213> Homo sapiens

<400> 1575  
ctgcatccac cctctttcag ggggtagagc cactatactt ctcatgtaga tcagccacat 60  
tgtcactgga gactcggatc cagccatcct cccgcacgtg gtagagggtg ac 112

<210> 1576  
<211> 198  
<212> DNA  
<213> Homo sapiens

<400> 1576  
ccagtatgtc cccaggatta tgtttggtga cccatctctg acagttagag ccgatatcac 60  
tggaagatat tcaaatcgtc tctatgctta cgaacctgca gatacagctc tggtgcttga 120  
caacatgaag aaagctctca agttgctgaa gactgaattg taaagaaaaa aaatctccag 180  
gccccttctgt ctgtcagg 198

<210> 1577  
<211> 444  
<212> DNA  
<213> Homo sapiens

<400> 1577  
cctgcctgga gccccagatc accccttctt actacaccac ttctgacgct gtcattttcca 60  
ctgagaccgt cttcattgtg gagatctccc tgacatgcaa gaacagggtc cagaacatgg 120  
ctctctatgc tgacgtcggg ggaaaacaat tccctgtcac tcgaggccag gatgtggggc 180  
gtcatcaggt gtcttgagc ctggaccaca agagcgccca cgcaggcacc tatgagggtta 240  
gattottcga cgaggagtcc tacagcctcc tcaggaaggc tcagaggaat aacgaggaca 300  
tttccatcat cccgcctctg tttacagtca gcgtggacca tcggggcact tggaacgggc 360  
cctgggtgtc cactgagggtg ctggctgcgg cgatcggcct tgtgatctac tacttggcct 420  
tcagtgcgaa gagccacatc cagg 444

<210> 1578  
<211> 294  
<212> DNA  
<213> Homo sapiens

<400> 1578  
ccacaaagcc attgtatgta gettttagctc agcgcaaaga agagcgccag gctcacctca 60  
ctaaccagta tatgcagaga atggcaagtg tacgagctgt gcccaaccct gtaatcaacc 120  
cctaccagcc agcacctcct tcaggttact tcatggcagc tatcccacag actcagaacc 180  
gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtccc cgctggactg 240  
ctcagggtgc cagacctcat ccattccaaa atatgcccgg tgctatccgc ccag 294

<210> 1579  
<211> 295  
<212> DNA  
<213> Homo sapiens



302

```
<400> 1583
ttcctgctcc gtggaacca cgagtgtgcc agcatcaacc gcatctatgg tttctacgat 60
gagtgaaga gacgtacaa catcaaactg tggaaaacct tactgactg cttcaactgc 120
ctgccatcg cgccatagt ggacgaaaag atcttctgct gccacggagg 170
```

<400>	1584						
ccagacgtgg	tggctcacac	ctgcagtc	agcaccttag	gaggccgagg	caggaggatc	60	
cttgaggtca	ggagttcgag	accagcctcg	ccaacatgg	gaaccccat	ttctactaaa	120	
aatacaaaaa	attagccaag	tgtggtggca	tatgcctgta	atcccaacta	ctcagaaggc	180	
cgaggcagga	gaattacttg	aacgcaggag	aatcactgca	gcccaggagg	cagagggttc	240	
agtgcgcga	gattgcacca	ctgcactcca	gcctgggtga	cagagcaaga	ctccatctca	300	
tgaataaat	aaataaataa	aaagcgctgc	agtagctgtg	gcctcacct	gaagtcagcg	360	
ggcccgagg						368	

```
<400> 1585
caacctctctc tctctcagcgc ttctttctttc ttggtttgat cctgactgct gtcattggcgt 60
gcctctctgga gaaggccctg gatgtgatgg tgtccacctt ccacaagtac tcgggcaaag 120
agggtgacaa gtccaagctc aacaagtcag aactaaagga gctgctgacc cgggagctgc 180
ccagctttctt ggggaaaagg acagatgaag ctgctttcca gaagctgatg agcaacttgg 240
acagcaacag ggacaacgag ttggacttct aagagtactg tgtcttctctg tctctgcatcg 300
ccatgatgtg taacgaattc tttgaaggct tcccagataa gcagccagg aagaaatgaa 360
aactcctctg atgtgggttg ggggtctgcg ag                                     392
```

```
<400> 1586
ctccactgc cagcctatgg ttgttcgcc ccaagccagg agtgctgcac cgcccagtgg 60
tccccctcgg gctccaggcc ccactgaga ccctctcgga ggcagaagca cttcaccctt 120
cagagtcta caagccaac cagtggacct ggaattgg                                     158
```

```
<210> 1587
<211> 85
<212> DNA
<213> Homo sapiens
```



```

tttttcaaag cccgaccccc acagcactgt ctgaaggagg aggagctgga acggaagccc 360
agcctgtcac tgacgttgac cctgggagag gctgacnaca accactatgg ataccgcac 420
tcctcctcct gagg 434

```

```

<210> 1591
<211> 439
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

```

```

<400> 1591
gctttcgcca gaaaatgttg catgtcaaac aatatgtgat ccatactgtg tgtcgtcctt 60
gggggtttat ttgactttgt cacaatgaca gccaacagtg agactgataa gcctgtaaaa 120
ataaaaaaat aagactaatc aaatagacat ggcattttta tctcaaagtg caaaatcatc 180
taactgaaaa tgacggcatt gagaaattcc agtgggttaa aatgaatcaa aacttcatta 240
cgcaggcagt ggaagtgtgt tgaaagattt accaggggtg tcaagtttta gacactcaga 300
aaggcaccat tctagccatc ttgattggat aacatgtata tacttatgtc cctacgatat 360
tcaaaagata atactgtttt agtacaaaac aatcaaaca ggcaaagant caaaaccaag 420
ccaacccaaa tatccccag 439

```

```

<210> 1592
<211> 74
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(74)
<223> n = A,T,C or G

```

```

<400> 1592
tttttttttc taatgttcac agtccctgct ttattttccat ttgttcacac acnctttaa 60
aaaaaaaaaa aaaa 74

```

```

<210> 1593
<211> 288
<212> DNA
<213> Homo sapiens

```

```

<400> 1593
ccatccgaag caagattgca gatggcagtg tgaagagaga agacatattc tacacttcaa 60
agctttgggtg caattcccat cgaccagagt tgggtccgacc agccttggaagggtcactga 120
aaaatcttca attggattat gttgacctct acottattca ttttccagt tctgtaaagc 180
caggtgagga agtgatccca aaagatgaaa atggaaaaat actatttgac acagtggatc 240
tctgtgccac gtgggaggcc gtggagaagt gtaaagatgc aggattgg 288

```

```

<210> 1594
<211> 455
<212> DNA
<213> Homo sapiens

```





<213> Homo sapiens

<400> 1598

```
ctgcctataa aactagactt ctgacgctgg gctccagctt cattctcaca ggatcatcatc 60
ctcatccggg agagcagttg tctgagcaac ctctaagtcg tgctcatact gtgctgccaa 120
agctgggtcc atgacaactt ctgggtggggc gagagcaggc atggcaacaa atcccaagtt 180
aggtctcca atgagcttcc tagcaagcca gaggaagggc ttttcaaagt tgtagttact 240
tttggcagaa atgtcgtagt actgaagatt cttctttcgg tggagacaaa tggatttcgc 300
cttcactttc ctgtccttaa tatccacttt gttgccacac aacacaatgg ggatgttttc 360
acacactcgt accagatctc tatgccagtt aggcacattc ttgtaagtaa ctctcgatgt 420
tacatcaaac attatgatgg cacac 445
```

<210> 1599

<211> 142

<212> DNA

<213> Homo sapiens

<400> 1599

```
cctgccccag ggggaagcac ggacccgaga cgacggcgat gaggaagggc tcctgacaca 60
cagcgaggaa gagctggaac acagccagga cacagacgag gatgatgggg ccttgacagta 120
agcagcctga caggagcaat gg 142
```

<210> 1600

<211> 297

<212> DNA

<213> Homo sapiens

<400> 1600

```
cctgcacttg aacatggctt tggttttaag caacttctct accctgacct tcctcctggg 60
acagcgtttc gggaggtttc ttggcctcac tgagagggat gtggagctgc tgtaccccg 120
caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac 180
caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtcttg ctgcctatat 240
tctagagaag ttttccacct ggaccaatac ggaattccga tacctggagg atggagg 297
```

<210> 1601

<211> 289

<212> DNA

<213> Homo sapiens

<400> 1601

```
ctggagatga tcctcaacaa gccagggtc aagtacaagc ctgtctgcaa ccagggtggaa 60
tgtcatcctt acttcaacca gagaaaactg ctggatttct gcaagtcaaa agacattgtt 120
ctggttgctt atagtgtctt gggatccac cgagaagaac catgggtgga cccgaactcc 180
ccggtgtctt tggaggacct agtcctttgt gcctcggcaa aaaagcacia gcgaacccca 240
gccctgattg ccctgcgcta ccagctacag cgtgggggtt tggctcctgg 289
```

<210> 1602

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(398)

<223> n = A,T,C or G

<400> 1602

```

gggagggcag agggagaatg ggaagatcag gaagctctag attacttcag tgataaagag 60
tctggaaaac aaaagtttaa tgattcagaa ggggatgaca cagaggagac agaggattat 120
agacagttca ggaagtcagt cctgcgagat cagggtaaaa gttttgctac tgcattctac 180
cggaatactg agaaggaagg actcaagtac aagtccaaaag tttcactgaa aggcaataga 240
gaaagtgatg gatttagaga agaaaaaaat tatnaactta aagagactgg atatgtagtg 300
gaaaggccta gnactacaaa agataagcnc anagaagaag acaaaaattc tgaaagaata 360
acagtaanga aagaaactca gtcacctgag caggtaaa 398

```

<210> 1603

<211> 438

<212> DNA

<213> Homo sapiens

<400> 1603

```

ctggtgatct gctttcttac cctaactctt gacaaatgag tctgttacta ttttaaagag 60
tctggaggtc tctgactctg ccataacaat aacctgctgt taatttataa cacagatttt 120
tgtttggaag agccttattt gaaatacact ttgattcatt ttcttaaata tttatattct 180
tttcttgctt acttcagggt tggtagctta gttggaagtg ccagcacctg gcacctattc 240
atatagaaca ggctgtactc aagacaactt ctagcattta ctttaagact tatataattt 300
atttctattt tgtgtgtact atagtcttgt gcatatgtag ttgaacacac agtgaaatat 360
atgtctctct ttgtggatgt gcggcctaaa aatttgaatg tctggtgaga gagagccatg 420
tgtataggtc agagaaaa 438

```

<210> 1604

<211> 297

<212> DNA

<213> Homo sapiens

<400> 1604

```

cctgcacttg aacatggctt tggttttaag caacttctct accctgaccc tcctcctggg 60
acagcgtttc gggaggtttc ttggcctcac tgagagggat gtggagctgc tgtaccccg 120
caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac 180
caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtctgg ctgcctatat 240
tctagagaag ttttcacact ggaccaatac ggaattccga tacctggagg atggagg 297

```

<210> 1605

<211> 451

<212> DNA

<213> Homo sapiens

<400> 1605

```

ggaaaggcta ttgtttctcg acagtttgtg gaaatgaccc gaactcggat tgagggctta 60
ttagcagctt ttccaaagct catgaacact ggaaaacaac atacgtttgt tgaaacagag 120
agtgtaaagt atgtctacca gcctatggag aaactgtata tggtagctat cactaccaa 180
aacagcaaca ttttagaaga tttggagacc ctaaggctct tctcaagagt gatccctgaa 240
tattgccgag ccttagaaga gaatgaaata tctgagcact gttttgattt gatttttgct 300
tttgatgaaa ttgtgcactc gggataccgg gagaatgtta acttggcaca gatcagaacc 360
ttcacagaaa tggattctca tgaggagaag gtgttcagag ccgtcagaga gactcaagaa 420
cgtgaagcta aggctgagat gcgtcgtaaa g 451

```

<210> 1606

<211> 272  
 <212> DNA  
 <213> Homo sapiens

<400> 1606  
 ccggagccca cgggtggatcat ggctgccaga gcgctctgca tgctggggct ggtcctggcc 60  
 ttgctgtcct ccagctctgc tgaggagtac gtgggcctgt ctgcaaacca gtgtgccgtg 120  
 ccagccaagg acaggggtgga ctgcggctac ccccatgtca cccccaagga gtgcaacaac 180  
 cggggctgct gctttgactc caggatccct ggagtgcctt ggtgtttcaa gcccctgcag 240  
 gaagcagaat gcaccttctg aggcacctcc ag 272

<210> 1607  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

<400> 1607  
 ccaggctgggt ctcaaaactcc tcacctcaac tgatccgccc accttggcct cccaaagtgc 60  
 tgggattata ggtgtgagcc accgtgccca aagttaagta tttttgatca agtgttttgt 120  
 cttttgtgca aggcatttgt ggctctgtca tagcagagga aaacaaaaca tgcctatcaa 180  
 atgaatcaag tccgacctct tctcatattg agcaactaga ggtctaggaa catttccct 240  
 acctgtcatt ctcatctggc ataccagggtg tacatactcc ttcttattct cctctgttac 300  
 caagatgttg gccccattgg gtttgaggtc acgaacttca caaactccaa actcttggac 360  
 ctacgtgctg aagggtgaggt catagcctag tgtggagaca tcattttcca gcagataaac 420  
 cagaccttgg tagaagtggg aatc 444

<210> 1608  
 <211> 189  
 <212> DNA  
 <213> Homo sapiens

<400> 1608  
 caaaatccaa aacttctctt gaaaagttca gggaccgtcc aggggagatg gggaggagat 60  
 atggagttag tcacctgctc cagaagatgc cagcttctct ctccagggtg cttagttggc 120  
 tttgccacc cctcactccc caggagctc tggggacagc ttcctcgac cctgtccca 180  
 cccacacag 189

<210> 1609  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<400> 1609  
 cttttgttat cottagagga ctactggtt tcttttccata agcaaaaagt acctcttctt 60  
 aaagtgcact ttgcagacgt ttcactcctt ttccaataag cttgagttag gagcttttac 120  
 cttgtagcag agcagtatta acacctagtt ggttcacctg gaaaacagag aggctgaccg 180  
 tggggctcac catgcggatg cgggtcacac ggaatgctgg agagatgtta tgtaatatgc 240  
 tgagggtggcg acctcagtg agaaatgtaa agactgaatt gaattttaag ctaatgtgaa 300  
 atcagagaat gttgtaataa gtaaatgcct taagagtatt taaaatatgc ttccacattt 360  
 caaaatataa aatgtaacat gacaagagat tttgcgtttg acattgtgtc tgggaaggaa 420  
 gggcca 426

<210> 1610  
 <211> 447

<212> DNA  
<213> Homo sapiens

<400> 1610  
cagggtata gtgcgctatg ttgatctggt gttcatgcta agttccgcat caatatggtg 60  
acttcttggg agtgggggac caccagggtg octaaggagg ggtgaacctg cctacgttgg 120  
aaatagagct ggtcaaaact cctgtgctca tcagtagtag aattgcacct gtgaatagcc 180  
accgcoctcc agcatgggca acatagcaag accctgcctc ttaagataaa aattggaaaa 240  
cactggtagg aaaaaaaggc tgtttggctc aaataagtct ggattgggta taaatgacac 300  
aaaactatca tgaatttgaa agcatttcta atttcttgaa agtctgaaaa agtttaaac 360  
gaatttttagc tgaaaagtcc tgaaaagacat ttgaaaaaaa acagcaagaa cacttaaaac 420  
tattcaaggt ttgggctggg cacagtg 447

<210> 1611  
<211> 238  
<212> DNA  
<213> Homo sapiens

<400> 1611  
ccaccggggt tgacctctct cgctagcagg gccacccag ctactctccc gcgtcttcca 60  
tccctcttag gattcccatt gtcccctact ccagcactag gcaggcacc ccagcccact 120  
gcgactccca ccacgaagga cccagccct ctctcagcca acacggcccc gccacccgtc 180  
tcagacatcg tgcttcttct ggtgggccag gagtctctcc tcgtcgtcga aggtctgg 238

<210> 1612  
<211> 293  
<212> DNA  
<213> Homo sapiens

<400> 1612  
ctgtgcttg tctctcggg agagggtttc ccaactctgag cgggtgggaa ggcaatgcca 60  
aacatccggg aaaaataaaa ccaactgtctc cacatgagct ggaactgtac gcccttctgtg 120  
ggtctcctca gggcgatggt agcgaatctc tgcaaaacgg taccattgtg tgcacacact 180  
tagatcaatg cctgtcagag ccttacaaca acgaatagca gtcttaatca acacagaggg 240  
atctttttct gggctctggc catccaacga aggagaccag tggccccc aa tgg 293

<210> 1613  
<211> 224  
<212> DNA  
<213> Homo sapiens

<400> 1613  
ctggattgac cccaaccaag gctgcaacct ggatgccatc aaagtcttct gcaacatgga 60  
gactggtgag aactgcgtgt acccactca gccagtggtg gccagaaga actggtacat 120  
cagcaagaac cccaaggaca agaggcatgt ctggttcggc gagagcatga ccgatggatt 180  
ccagttcgag tatggcggcc agggctccga ctctgccgat gtgg 224

<210> 1614  
<211> 439  
<212> DNA  
<213> Homo sapiens

<400> 1614  
ctccaccctg gcgatggctc cctggtccta ctttctctct caaactggct ttttctcatt 60

```

cctttgactc cgccagactt cctcgccccc atgacctggt gttgtgtctg atcaccccaa 120
cattcctggc tgcccaatgt ggggcaatga agacccagc gaaggaaatgc tagagtgtgt 180
gaaagtggag gacgcatcgt caaaggacac ctgaggacgt ctcaaagaag ctcggcggga 240
gagctgagcg ctcggaagaa ccaagaatca tctcttttga aaaatcgatt catcaaata 300
atcttcggcc aacaactgtt caagaaggat tcaaatatca caggttccaa gaagtaaagc 360
tttgagggtc acaaaattag caatagaagc tgggttccgc catatagatt ctgctcattt 420
atacaaataa tgaggagca 439

```

```

<210> 1615
<211> 237
<212> DNA
<213> Homo sapiens

```

```

<400> 1615
aggcactcct ggaagtgggt cagtcagggt gcaaaaacat tgaacttgct gtcattgaggc 60
gagatcaatc cctcaagatt ttaaatcctg aagaaattga gaagtattgt gctgaaattg 120
aaaaagaaaa agaagaaaac gaaaagaaga acaaaaagaa agcatcatga tgaataaaat 180
gtcttttgctt gtaattttta aattcatatc aatcatggat gagtctcgat gtgtagg 237

```

```

<210> 1616
<211> 266
<212> DNA
<213> Homo sapiens

```

```

<400> 1616
ctgggctcta gtttcattcc atctgtcatt ctgaggtaac agggacacat gtccaagtgt 60
tgcccccgct ggcatgattg tagctttgtt gataggcatt gcatcttttg tgtaatatgc 120
aataatggca tgaccagatt catgatatgc tgtgatgggt ttgtttttgt tatcaatttc 180
cacacttctt ctttcaggcc ccattagaat tttgtctttg gaaaactcca gctccttcatt 240
ggtaaccatt tcttttccat caacag 266

```

```

<210> 1617
<211> 185
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(185)
<223> n = A,T,C or G

```

```

<400> 1617
ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga 60
gnaggttagt tgtggcaata aaaatgatta aggatactag tataagagat caggttcgct 120
ctttagtgtt gtgtatgggt atcatttgtt ttgaggttag tttgattagt cattgttggg 180
tggtg 185

```

```

<210> 1618
<211> 354
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> (1)...(354)  
 <223> n = A,T,C or G

<400> 1618  
 ctgttaacag ataagtttaa cttgcatctg cagtattgca tgttagggat aagtgcttat 60  
 ttttaagagc tgtggagttc ttaaatatca accatggcac tttctcctga ccccttccct 120  
 aggggatttc aggattgaga aatttttcca tcgagccttt ttaaaattgt aggacttggt 180  
 cctgtgggct tcagtgatgg ngatagtaca catntcactc agagngcatn tntgcatctt 240  
 ntaanatana tttcttaaaa gcctctaaag tgatcagntg ccttgatgcc aactaaggaa 300  
 atttgtttag cattgaatct ctgaaggctc tatgaaagga atagcatgat gtgc 354

<210> 1619  
 <211> 170  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(170)  
 <223> n = A,T,C or G

<400> 1619  
 ctgtgctgtg gagagaagct gatgttttgg tgtattgtca gccatcgctc tgggactcgg 60  
 agactatggc ctgcctccc caccctcctc ttggaattac aagccctggg gtttgaagct 120  
 gactttatag ctgcaagtgt atctnncctt tatctggtgc ctctctaaac 170

<210> 1620  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 1620  
 cctgttgatt gcatactgta gaagatttga tgttcagact gggtcttctt acatatacta 60  
 tgtttcgtct acagttggta aatttttgtt tttctttgta ttaaattgtt aattgtattg 120  
 tctggaggaa aagacagagg tctaaaaata aagaaggagt acagtttggg catggtggtt 180  
 cacccttga gtcctagcac tttgggggcc aaggcaggca gattgcttga gccaggagt 240  
 tctagatgag cctgggcaac atagtggagc cccatctcta aaaaaacagt tttagggcca 300  
 ggcacagtgg ctcacacctg taagcccagc actttgggag gccgaggcag gcagatcata 360  
 agggcaagag attgagacca tccttg 386

<210> 1621  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(346)  
 <223> n = A,T,C or G

<400> 1621  
 ccaattctgc ccgttccccg tgggccaaca aactgggggt tgtatgcgtc tggaaacctg 60  
 tgatagtctt cggcttgcca gcctggccca ccacatccac tgcctggccc acacggacag 120  
 aactggcaa tggccgcagc tcctcatcaa acgtaaccag cattcggggc tgcattggcag 180

ccaccagccc atacaatata tagtgtgatt tgcctagaat aatgtttcga acatccagga 240  
aagagacaag cacagtgagc agtccancca cggccacctg gtcataagc tgccggtcgc 300  
tgtggtaggg gcagagggtg aggggtgccct tccctaaatg tgtcag 346

<210> 1622

<211> 366

<212> DNA

<213> Homo sapiens

<400> 1622

ggaagtttgt gctctctgcg tggctaagtt tttcacctac taggacgggg gtgggggtggg 60  
gagaacaggt gtccttctaa aatacagcac aagctacagc ctgcgtccag ccataaccca 120  
ggagtaacat cagaaacagg tgagaatgac cactttaact caccggggccc gtcgcactga 180  
aataagcaag aactctgaaa agaagatgga aagtgaggaa gacagtaatt gggagaaaag 240  
tccagacaat gaagattctg gagactctaa ggatatccgc cttactctta tggaagaagt 300  
attgcttctg ggactaaaag ataaagaggg gtacacatct ttctggaatg actgcatatc 360  
atcagg 366

<210> 1623

<211> 165

<212> DNA

<213> Homo sapiens

<400> 1623

ctgttgattg gctgtgacac tgcttttgtt catcttctta ccatgatcaa aggcgaagga 60  
agggatctct tttgggacat tgtgattgtt ttagcagaga gagaaagaga tgaaatacac 120  
ttcggttttc tcttaaaaga tgcattgtat atacagtgtc ttaag 165

<210> 1624

<211> 227

<212> DNA

<213> Homo sapiens

<400> 1624

ccaatgcccg gagcaggccc tctttccatc cctgtcggg tgagctgggc aactatgtca 60  
acaaacggaa taccacgtgg caagccgggc acaacttcta caacgtggac atgagctact 120  
tgaagaggct atgtggtacc ttcttggttg ggccaagcc accccagaga gttatgttta 180  
ccgaggacct gaagctgcct gcaagcttcg atgcacggga acaatgg 227

<210> 1625

<211> 373

<212> DNA

<213> Homo sapiens

<400> 1625

ctgtagcttt tgtgggactt ccaactgctca ggcgtcaggc tcaggtagct gctggccgcg 60  
tacttggttg tgctttgttt ggagggtgtg gtgggtctca ctccgcctt gacggggctg 120  
ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacttat gagacacacc 180  
agtgtggcct gtttggttg aagctcctca gaggaggggtg ggaacagagt gaccgagggg 240  
gcagccttgg gctgacctag gacggtcagt ttgggtccctc cgccgaacac ccgaagataa 300  
ttagtgtgtg ctgttgagta acaatagtag tcaccttcac cttccacctg ggccccagt 360  
atggtcaagg tgg 373

<210> 1626

<211> 367  
 <212> DNA  
 <213> Homo sapiens

<400> 1626  
 ccagacgtgg tggctcacac ctgcaatccc agcaccttag gaggccgagg caggaggatc 60  
 cttgaggtca ggagttcgag accagcctcg ccaacatggt gaaaccccat ttctactaaa 120  
 aatacaaaaa ttagccaagt gtggtggcat atgcctgtaa tccaactac tcagaaggcc 180  
 gaggcaggag aattacttga acgcaggaga atcactgcag ccctggaggc agagggttgca 240  
 gtgagccgag attgcaccac tgtactccag cctgggtgac agagcaagac tccatctcag 300  
 taaataaata aataaataaa aagcgtgca gtagctgtgg cctcacctg aagtcagcgg 360  
 gcccagg 367

<210> 1627  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<400> 1627  
 ctggataagg acatcaatac cttctctatg cgtgtcaggg tgtggtacgg gtatcacttt 60  
 ccggagctgg tgaagatcat caacgacaat gccacatact gccgtcttgc ccagttttatt 120  
 ggaaaccgaa gggaactgaa tgaggacaag ctggagaagc tggaggagct gacaatggat 180  
 ggggccaaagg ctaaggctat tctggatgcc tcacggtcct ccatgggcat ggacatatct 240  
 gccattgact tgataaacat cgagagcttc tccagtcgtg tgggtgtcttt atctgaatac 300  
 cgccagagcc tacacactta cctgcgctcc aagatgagcc aagtagcccc cagcctgtca 360  
 gccetaattg gggaagcggg aggtgcacgt ctcatcgcac atgctggcag cctcaccaac 420  
 ctgg 424

<210> 1628  
 <211> 314  
 <212> DNA  
 <213> Homo sapiens

<400> 1628  
 tcgactgtta tagcttagaa agcaacacta ctactatgag actataaaac attaaactat 60  
 tttaagaaaa ccacgctgtg gaaaaatgga gccatttttg tcaaaaagtg gctcaaagca 120  
 caaaactgct cagatgttca agagtcctag gagtctgggc tgcacagtat taaggggtga 180  
 gaggagaccg acagcctgtt tgaatcaggc ttgtgagccc agctcatctg acaacttcaa 240  
 agagcttctc tgctataaca ttccaccgtt tagcataaga caccacttta cgctattttac 300  
 aagtctcctt ttgg 314

<210> 1629  
 <211> 393  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(393)  
 <223> n = A,T,C or G

<400> 1629  
 ctggaccagc accccattga cgggtacctc tcccacaccg agctggctcc actgcgtgct 60  
 cccctcatcc ccatggagca ttgcaccacc cgctttttcg agacctgtga cctggacaat 120





acatcataca tatttaccag accagaagcg ctggcccca gtctcccca cctggtcggg 180  
ggaacctcct gg 192

<210> 1634  
<211> 447  
<212> DNA  
<213> Homo sapiens

<400> 1634  
ctgcttttaa aggtcttaaa tcaactcgaat accttgactt gagcttcaat cagatagcca 60  
gactgccttc tgggtctccct gtctctcttc taactctcta cttagacaac aataagatca 120  
gcaacatccc tgatgagtat ttcaagcggt ttaatgcatt gcagtatctg cgtttatctc 180  
acaacgaact ggctgatatg ggaatacctg gaaattcttt caatgtgtca tccctgggtg 240  
agctggatct gtctataaac aagcttaaaa acataccaac tgtcaatgaa aaccttgaaa 300  
actattacct ggaggtcaat caacttgaga agtttgacat aaagagcttc tgcaagatcc 360  
tggggccatt atcctactcc aagatcaagc atttgcggtt ggatggcaat cgcattctcag 420  
aaaccagtct tccaccggat atgtatg 447

<210> 1635  
<211> 364  
<212> DNA  
<213> Homo sapiens

<400> 1635  
gttttatttg agacataaaa acacatgtgt ttctattaca tagtgtggg tttaggggtcc 60  
tggtttctaa gacaagactt tatttcaccc tgtatcacag ctctctggga aatgaattag 120  
ggagcaagag acggcctggc aagaaaatca ttattgttgc tgggaagtgc caaagaaagg 180  
ggagagtta ttcaaattag tgtaacagag cccccaggat gaagagagtg gtgcagggaa 240  
aaggtctaaa ttctgtgtgt tgggtggggac actggcacat cccacagcaa ggactcagcc 300  
ctcaacggcg gcggtctgggt cttggggaggg gagtgggtggg agggtaaggg ctctcagct 360  
ccct 364

<210> 1636  
<211> 399  
<212> DNA  
<213> Homo sapiens

<400> 1636  
ctggctggct agactgtttg tgcgccaaga ggatggtcag cgtgctttc cagcctggct 60  
ctgctggggc gctggcatct ggttcagttc caccattctc cctgctttct ttgccaagtg 120  
tgatattcac ccaagggcac cagtctctat gctgagaggt gggatcaaag aagcttcggg 180  
aagatgtgtc cgaactgctg gaggagcaga ggcgagctcg cttggctttc cgcagagggc 240  
tagatggtac ctccaggcca ggggtgtctc ctgttcccat gcttcgggtc actgggcgag 300  
ttctggtggt ggggctagca gcctctggct caggacgggt aacaggactg gaagagtccc 360  
agctccgagt tcgagagaca atgggaccag ggctctttt 399

<210> 1637  
<211> 246  
<212> DNA  
<213> Homo sapiens

<400> 1637  
ctgagctttc agcagataaa tcacagcaga aatagaatca ccctaggact ttcaatcaaa 60  
agctggaagt ccaccttaca gaaagacaaa aagaaacccc tttttatata ttaacaaagc 120

aatagctctc aagcagcaga gcactctcag gaagaaagct tgcccggctc ccatcccatc 180  
 atgccagagc gtgcagtgtc cacccttgac tacgctgggg aattgctgat tttttgaaaa 240  
 agcttg 246

<210> 1638

<211> 453

<212> DNA

<213> Homo sapiens

<400> 1638

ccaagagttc tccactgtga agactgaaag gacctggtga catttcggca tcagtcctgt 60  
 taccacttgg aggtaacaga agcaggctcg tgccctcctt taattctacc aactacatg 120  
 actcgcaatt ggttctgaaa ttagaacgtt caccatcgta cttaaaatct taggggcatg 180  
 aagagtcagc tagaacaagg aaaaagaaag tcgcaggtag taggtaagta ggtgggcaca 240  
 tgaaaagcca agctgctctg tccaacacca gtgtacatgt gctttaacta aatgaactcc 300  
 agaggccaac agcagcagac ctgctcaatt caccttccaa atcagaacaa gacaaaaaag 360  
 ctcaggcttg agttgtcaac tatgcatagg ttccgccagt gatgaggagc tcgtaagcag 420  
 gatctctact ccttctgcac aacacgatgc aag 453

<210> 1639

<211> 197

<212> DNA

<213> Homo sapiens

<400> 1639

tttgctgttc gtgatatgag acagacagtt gcggtgggtg tcatcaaagc agtggacaag 60  
 aaggctgctg gagctggcaa ggtcaccaag tctgccaga aagctcagaa ggctaaatga 120  
 atattatccc taatacctgc caccacctc ttaatcagt gtggaagaac ggtctcagaa 180  
 ctgtttgttt caattgg 197

<210> 1640

<211> 278

<212> DNA

<213> Homo sapiens

<400> 1640

ccagagcggg gagtcccacc acctcgaaact ctgggaattc gagccacagc tctgccagta 60  
 cccaagact cagcaactagt ctgatgacct gctaattcac tgacagcata gggctgtctg 120  
 ttgtttttgc gcaagttggt gtgaacaaaag ttcaaatat ctggtcgaat aggagccttg 180  
 aatacagcag gcaaagtgac atttttgcca gatgactccc ccttttcgga gtacaccgat 240  
 atcagtgggc gagcgcacgc catggcggac ctcggccg 278

<210> 1641

<211> 227

<212> DNA

<213> Homo sapiens

<400> 1641

ccattgttcc cgtgcatcga agcttgacag cagcttcagg tcctcggtaa acataactct 60  
 ctgggggtggc ttggggccac ccaggaaggt accacatagc ctcttcaagt agctcatgtc 120  
 cacgttgtag aagttgtgcc cggcttgcca cgtggtattc cgtttggtga catagttgac 180  
 cagctcatcc gacaggggat ggaaagaggg cctgctccgg gcattgg 227

<210> 1642

```
<210> 1646
<211> 433
<212> DNA
<213> Homo sapiens
```



tatctctatg attgg

435

<210> 1650

<211> 246

<212> DNA

<213> Homo sapiens

<400> 1650

```
ccatgtctgt attgtaactg gtaaaagggt tcaagtcaga ttgatgatca agaaaagtca 60
aaaccccagc ccaagattgg gaaagcaggt ggtggttcca agctttttaa aaattattga 120
agctctccat cctgttctgt gagtgtgtct tctctttctc cttcacgtca tagccgtgac 180
ccaccgttca tctctgctct tgcgtaaaga tgaccgatgg agtccaaagc caagtggctt 240
caccag                                     246
```

<210> 1651

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(400)

<223> n = A,T,C or G

<400> 1651

```
cggcaagttc tcccaggaga aagccatggt cagttcgagc gccaaagaccg tgaagcccaa 60
tggcgagaag ccggacgagt tcgagtcagg catctcccag gctcttctgg agctggagat 120
gaactcggac ctcaaggctc agctcaggga gctgaatatt acggcagcta nngaaattga 180
agttggtggt ggtcggaaag ctatcataat ctttggtccc gttcctcaac tgaaatcttt 240
ccagaaaatc caagtccggc tagtacgoga attggagaaa aagttcagtg ggaagcatgt 300
cgncctttatc ggctcagagg aggaattctg cctaagccaa ctcnaaaaag ccgnacnaaa 360
aattanngca aaaagcgtnc caggagccgt nctctgacag                                     400
```

<210> 1652

<211> 338

<212> DNA

<213> Homo sapiens

<400> 1652

```
ctgggggtgc ccatcttctg tgctctgtgg tacatatctg tgcgcgcaaa gtagcgtgcc 60
cggtagacga agccttcctt ctgctgcttc tccttcacagc agttgttccg gaggttggcg 120
atataatcat cttccacatt ccgctcgact gttttgaggc tggagcctgt gtactcttcg 180
gagaaagtgt ctcccacata gtagacgaca cccagggtggc cagtgactcg cctgtggatg 240
tggcccacag acggtcttgg actcagactg taggggtggac tggagaccat gagctggctg 300
agagctgaca cgagaatcag gatgaggata ggcacacag                                     338
```

<210> 1653

<211> 167

<212> DNA

<213> Homo sapiens

<400> 1653

```
gcggtggagc cgccaccaaa atgcagattt tcgtggaaac ccttacgggg aagaccatca 60
ccctcgaggt tgaaccctcg gatacgatag aaaatgtaaa ggccaagatc caggataagg 120
```

aaggaattcc tcctgatcgg cagagactga tctttgctgg caagcag

167

<210> 1654  
 <211> 1034  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1034)  
 <223> n = A,T,C or G

<400> 1654  
 atgcatgctc gagcgggccgc cagtgtgatg gatatctgca gaattcgccc ttagcgtggg 60  
 cgcgcccgag gtccaagagg gagataaanac aaacttctca aacaaaaaga aaagaaaaac 120  
 gaatgattca tctgctttaa tcagtgtgat taatgcagca cccattgccc cggaaccgt 180  
 ttctgctgta ctatctggat actaaaatgt tacggaagta gctctttgtt ctccctcact 240  
 ctgccccttag ttaatagaaa ttcagactcg ccaagtaagg ctttgtgcat agtgtcttca 300  
 tgtcgcgat agttgagcgc gttcttagca gttggcttca tggacagctc attagtgttt 360  
 tgacttttct taccagcgt taattgaatt cttgctttta gacaacttcc tttttgtagt 420  
 ggtgaacctt gcccttttagt acagttcaag tgaatctgga taattgttca tctttgcttt 480  
 agcttagata ccatgtagtg gtctgtggct acaggaagct ggttctgtct gcttccacag 540  
 tctgcttaaa aaactgtctg acttcgtgaa tatagagacc aagtttacca cttctgatga 600  
 agagaccaat taagattcat tctcattctt gtttctttcc agtgggagaa gagtccccat 660  
 gaaataagat gaaactgatt ccatgcaacta gtacatgtag gcttctccct tgcgcaaagc 720  
 ttaacaattt gtaggaaaact ttgggtcttt ttgtcccaag aaaaaggaat gtcttgacag 780  
 gcttaaagct tttcgtcccc ttgcacctta aaactcgaaa gttaggnaaa atccctttaa 840  
 agggcttttt ttaatagcca gaacttccca aaaggaatgg cnttttaggg aatttcntag 900  
 ccatngcttt ttaaatttaa agaaattttt aanaaccttg cccnnggggn ggggncccg 960  
 tccaaaaagg gnggnaaaa ttccccagcc nacctttng gggggggccn cgttttcctt 1020  
 tnnngggggg aanc 1034

<210> 1655  
 <211> 487  
 <212> DNA  
 <213> Homo sapiens

<400> 1655  
 atgcatgctc gagcgggccgc cagtgtgatg gatatctgca gaattcgccc tttcgagcgg 60  
 ccgcccgggc aggtccctact cttctccgtc cattgtacta tctgcccgtg gtggggatgg 120  
 cagtaggatc atattttgatg acttccgaga agcatattat tggctccgtc ataatactcc 180  
 agaggatgag aaggatcatgt cctggtggga ttatggctat cagattacag ctatggcaaa 240  
 ccgaacaatt ttagtggaca ataacacatg gaataatacc catatttctc gagtagggca 300  
 ggcaatggcg tccacagagg aaaaagccta tgagatcatg agggagctcg atgtcagcta 360  
 tgtgctggtc atttttggag gacctcggcc gcgaccacgc taagggcgaa ttccagcaca 420  
 ctggcgcccg ttactagtgg atccgagctc ggtaccaagc ttggcgtaat catggtcata 480  
 gctgttt 487

<210> 1656  
 <211> 514  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(514)  
 <223> n = A,T,C or G

<400> 1656  
 atgcatgctc gagecgcccc ccagtgtgat ggatatctgc agaattcgcc cttancgtgg 60  
 tcgcgggccga ggtcctaccc ataatccaga gaggcttgcc cagaggagga ctacgtgggg 120  
 gacgtgccac cagaacccta cttgggggcg ggatgtcact ccgaggtcaa aacctgctcc 180  
 gaggtggacg agccgtagct ccccgaaatgg gcttaagaag aggtggtgtt cgaggtcgtg 240  
 gaggtcctgg gagagggggc ctagggcgtg gagctatggg tcgtggcgga atcggtggtg 300  
 gaggtcgggg tatgataggt cggggaagag ggggctttgg aggccgaggc cgaggccgtg 360  
 gacgaggag aggtgccctt gctcgccctg tattgaccaa ggagcagacc tgcccgggcg 420  
 gccgctcgaa gggcgaattc cagcacactg gcggccgtta ctagtggatc cgagctcggg 480  
 accaagcttg gcgtaatcat ggcatagct gttt 514

<210> 1657  
 <211> 605  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(605)  
 <223> n = A,T,C or G

<400> 1657  
 atgcatgctc gagecgccgc cagtgtgatg gatatctgca gaattcgccc tttcgagcgg 60  
 ccgcccgggc aggtccanac gctgacattg nttctgagtc ctttaagcagg aaggatttga 120  
 aatcctggag cttggcagtc ttgtcttca cctctaagcc aatgttgacc ctttcatcta 180  
 taaagtccac aactctccgg aagtcacct caccggaactg tcgagaagtt aaggctgggg 240  
 ccccaagccg caggccgccc ggtgtgatgg cacttcggtc tccaggacag gtgttcttgt 300  
 tggcagtgat ggatacaage tctagcaccg gctcagccc agctccatcc aggcccttgg 360  
 gccgcaggtc caccagcacc aggtggttgt cagtaccacc tgataccagt gagtagcctc 420  
 gcctagcag ggcattctgcc atggcccagc cattcttcag aacctgcagg gagtactccc 480  
 ggaacatggg ggtgcaggac ctgcggccgc accacgctaa gggcgaattc cagcacactg 540  
 gcggccgtta ctagtggatc cgagctcggg accaagcttg gcgtaatcat ggcatagct 600  
 gtttc 605

<210> 1658  
 <211> 784  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(784)  
 <223> n = A,T,C or G

<400> 1658  
 agnnttccgn cggccctcna gntgcatgct cgagcggccg cgcagtgaga tgnatatctg 60  
 cagaattcgc cttancgtg ggcgnangca tgacgctcgg gatcagaact aaaacaagtg 120  
 agatcacccc tctaattatt tctgaactng gttaataaaa gcttataaga tttttatgaa 180



```

gcancactg tatgatattt taagcaaata tgttatttaa aatattgatc cttcccttgg 240
accaccttca tgttagttgg gtattataaa taagagatac aacctatgaat atattatggt 300
tatacaaaat caatctgaac acaattcata aagattttctc ttttataacct tcctcactgg 360
ccccctccac ctgcccatag tcaccaaatt ctgtttttaa tcaatgacct aagatcaaca 420
atgaagtatt ttataaatgt atttatgctg ctagactgtg ggtcaaagt ttccattttc 480
aaattattta gaattcttat gagtttataa tttgtaaatt tctaaatcca atcatgtaaa 540
atgaaactgt tgetccattg gagtagtctc ccacctaaat atcaagatgg ctatatgcta 600
aaaagagaaa atatgggtcaa gtctaaaatg gctaattgtc ctatgatgct attatcatag 660
actaacgac atttatcttc aaaacaccaa attgtcttta gaaaaatta atngtgatta 720
ccaggtagaa ggacctgccc gggcggnccg ctcgaaaggg ccgaaattcc agccccacct 780
gggc

```

```

<210> 1659
<211> 789
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(789)
<223> n = A,T,C or G

```

```

<400> 1659
tngngccctc tagatgcang ctcgagcggc cgccagtgtg atggatatct gcagaattcg 60
cccttagcgt ggtcgcggcc gaggtccatt aaagataagt ttggctaact attttactga 120
agagactaat ggtcttccct ctggtgtact gctatgtttc ttgatctggt tttccccaat 180
gtaacagtct acattgaagt cctttagctc tctccatata ctaattgaca tttgttaagg 240
attcaatatt ttgtgaattc tttttaccct taaaatgcat atctttcaga gagataagaa 300
tgaattttgc aataatttat atgcagagtg tgcttatggg tttctgggag ttcaagttag 360
taccocagag tgcttaaaag tacgatgcta aattctaagg ctaatgtaat gactgtagat 420
tatctatgtc cacattgttc aacagaaata taatgtgaac cacaacataa tttttaattt 480
tctagtagcc atattaaaaa agaaacaagc aaaattaatt ttaataacag tttatgtaac 540
ccagtatatt aaaaatatca tttcaacatg taatcaatat aaaagattat taatgaaaca 600
ccttatcctc tttttcttcc atgctaagtc ttagatttga gtgtattttg cactcacagc 660
acatctcaat tctgactgga cctgcccggg cggcgcgtcg aaagggcgaa ttccagcaca 720
ctggcgcgcc gttactagtg gatccgagct cgggtaccaa gcttggcgta atcatggtca 780
tagctgttt

```

```

<210> 1660
<211> 559
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(559)
<223> n = A,T,C or G

```

```

<400> 1660
ccncgcctc tagatgcatg ctcgagcggc cgccagtgtg atggatatct gengaattcg 60
ccctttccag cggcgcccg ggaggtcca tcagacttct tgggtgcctg gctatattca 120
atgtgaagta aaaaatatcc caagtcttac accaaaatag aggctctgac ttagaagtat 180
gcttttagct ttctttttta ataagacatt ctggaagaaa aaaaaagaaa aaggaaagaa 240
aatcaagttt gaaacacagt taacacttat tttggcaaga aagcaaccaa aatctaaaaa 300

```

```
gcataaacta  tnggtccaaa  tgnaaaaggn  attacagaac  aaactgcaag  aggggaaaaat  360
taaagccnca  ctgaacgaaa  aaatacagta  tgtctaacat  tttggaattg  naattttaaac  420
cctaagggca  aaagctgaaa  aatcatgctt  anacctnggn  cgngaccacn  ctaagggcgga  480
attccancac  actggcggnc  gttactagt  gatccnanct  cggtagcaag  cttggcgtaa  540
tcctnggcat  agctgtttc                                     559
```

```
<210> 1661
<211> 453
<212> DNA
<213> Homo sapiens
```

```
<400> 1661
ttggggccctc tagatgcatg ctcgagcggc cgccagtgtg atggatatct gcagaattcg 60
cccttttcgag cggccgccccg ggcaggtctg cagtgtccct ttttatatca tgctagtgtt 120
gagacatact tgactaactt gggaacagtt cgatatattg acaaccgtca acttaagaaa 180
atcaacagct tttggcccca gcgtccaagt gaacttttca tggagtgcag aatctcaaat 240
ggacaaaata ctttgtcttt ttaaatactg aaaaattaat tattagtact atgactgaaa 300
gattcttcat ggctaaaaag ctctgcatca aactcaattc aggaggacct cggccgcgac 360
cacgctaagg gcgaattcca gcacactggc ggccgttact agtggatccg agctcggtac 420
caagcttggc gtaatcatgg tcatagctgt ttc                                     453
```

```
<210> 1662
<211> 809
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(809)
<223> n = A,T,C or G
```

```
<400> 1662
ctcgagcggc cgccantgtg atggnatatct gcagaattcg cccttanccg ccgcccgggc 60
aggtccttag ccaaagaatg cagtggagcc ttccccnngg ggctgcattg tgaatgaata 120
ccaattgaca gcataaaaaat taatagtccc atatcagatc tggaaggggt ttctggggct 180
gtctgatgtc cctatcctgt tgtagtgaac acaatagcag aaaattcttt ctgggtccat 240
ctgctataaa gtcttggtaa aacagcatta ctatgaagag gatgaactca cctaccttca 300
natggaggaa aagtgaagaa gacttaggct ttagtcctcc atgacttttc ttaagcacta 360
cctacctgta ataagctgag tgcaaaagga tgccgaagaa aatctgcacc cagaagctgt 420
tagaaagcac tgcaagangaa cagggnatga ataaaataaa nagntcttaa taaaccctta 480
agattctttg ntcaaggggn actttgcgaa aaggggcaga atangnggn aaagagttgc 540
ttttaatcta gctctacact ggcntttgaa aataaaaattt gccatttng aaatatatng 600
ggntataatt aaaatgnggc tttttacact ggnggggcta tataaaaact gggtagnnaa 660
atttccaccg agcatntatg gngatttgnt cacagnaaac ctccgggcng gacccacgct 720
aagggnggaa ttccagcnac antggggggg ncngntacct anagtggatc ccnagnctng 780
gggnccccna anctttgggg gngtnaatc                                     809
```

```
<210> 1663
<211> 585
<212> DNA
<213> Homo sapiens
```

```
<400> 1663
ttggggccctc tagatgcatg ctcgagcggc cgccagtgtg atggatatct gcagaattcg 60
```

```

cccttgccgc ccgggcaggt gatggatgag gagcaaaaac tttatacgga tgatgaagat 120
gatatctaca aggctaataa cattgcctat gaagatgtgg tcgggggaga agactggaac 180
ccagtagagg agaaaataga gagtcaaacc caggaagagg tgagagacag caaagagaat 240
atagaaaaaa atgaacaaat caacgatgag atgaaacgct cagggcagct tggcatccag 300
gaagaagatc ttcggaaaga gagtaaagac caactctcag atgatgtctc caaagtaatt 360
gcctatttga aaaggttagt aaatgctgca ggaagtggga gggttacagaa tggggcaaaa 420
ggggaaaggg ccaccaggct ttttgagaaa cctcttgatt ctcatgttat ttatcagacc 480
tcggccgcga ccacgctaag ggcgaattcc agcacactgg cggccgttac tagtggtacc 540
gagctcggta ccaagcttgg cgtaatcatg gtcatagctg tttcc 585

```

```

<210> 1664
<211> 999
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(999)
<223> n = A,T,C or G

```

```

<400> 1664
ancngctcn agcgccgcc antgtgatgg atatctgcag aattcgccct ttcgagcggg 60
ccgcccgggc aggtctgaca atngattaaa caggcgacat gcaaccccca ctaagggttaa 120
aagtccaaaa ctactcacac gcatctcttn attggggaaa agctgagact attatncatt 180
cttggtagnc ttgcaacctt gcatgaagag caccattgc atttctttca tctttcagaa 240
agcaccggta tctgttccaa ggnctaaca gtaacnaaaat acnttntggg attacacctt 300
tnaaacccaa nactgtntc attaaaaata attttgntt gtaacaaaat tatgaaatac 360
aatgcaagca cctnggtata gcattattac tgaaaccact taattcccag ctttttgagt 420
tttttaaaaa aaccactgc actaagattc acaattcatt gctacatata aattaaagct 480
agtaagaaca cactaacgct acaagtttct cattctaaag tgcnaaancc ntaatngtct 540
ngaaagtgga acaggggtaa agggcaaaaa ttaaccccc ccacccaat taaagtttcc 600
tggaangtca ntantntttt naatcccaa aggnnncatt tctnttttaa aaaattggnt 660
acctttgga ctggggtaaa gnaaaatnag gaacccctgg gnggtttttt ttatnttttc 720
ttnaanccaa ccccccaatt ccaccttaaa aacccccacc cgggggangg ccaaaangnc 780
cacccttng gaaacncttt tngtgggggn cccggtcgna aaaccaacc nccctntaaa 840
aagggggggt cgnaaaaaa tttctccna aganaaaccc acctttgggg cgnggggacn 900
cgntttacc nttaaatgg gggaattcc ccgaaagcgt ttgggggtaa ccccaaaaga 960
cctttggggg gggaaaaatg aatgggggnc cattaaccn 999

```

```

<210> 1665
<211> 27
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> PCR primer

```

```

<400> 1665
gctaaagggtg accccaagaa accaaag

```

27

```

<210> 1666
<211> 37

```

<220>  
<223> PCR primer

37

```
<210> 1667
<211> 207
<212> PRT
<213> Homo sapiens
```

<400>	1667															
Met	Gln	His	His	His	His	His	His	Ala	Lys	Gly	Asp	Pro	Lys	Lys	Pro	
1				5					10					15		
Lys	Gly	Lys	Met	Ser	Ala	Tyr	Ala	Phe	Phe	Val	Gln	Thr	Cys	Arg	Glu	
			20					25					30			
Glu	His	Lys	Lys	Lys	Asn	Pro	Glu	Val	Pro	Val	Asn	Phe	Ala	Glu	Phe	
		35					40					45				
Ser	Lys	Lys	Cys	Ser	Glu	Arg	Trp	Lys	Thr	Met	Ser	Gly	Lys	Glu	Lys	
	50					55					60					
Ser	Lys	Phe	Asp	Glu	Met	Ala	Lys	Ala	Asp	Lys	Val	Arg	Tyr	Asp	Arg	
65					70					75					80	
Glu	Met	Lys	Asp	Tyr	Gly	Pro	Ala	Lys	Gly	Gly	Lys	Lys	Lys	Lys	Asp	
				85					90					95		
Pro	Asn	Ala	Pro	Lys	Arg	Pro	Pro	Ser	Gly	Phe	Phe	Leu	Phe	Cys	Ser	
			100					105					110			
Glu	Phe	Arg	Pro	Lys	Ile	Lys	Ser	Thr	Asn	Pro	Gly	Ile	Ser	Ile	Gly	
		115					120					125				
Asp	Val	Ala	Lys	Lys	Leu	Gly	Glu	Met	Trp	Asn	Asn	Leu	Asn	Asp	Ser	
	130					135					140					
Glu	Lys	Gln	Pro	Tyr	Ile	Thr	Lys	Ala	Ala	Lys	Leu	Lys	Glu	Lys	Tyr	
145					150					155					160	
Glu	Lys	Asp	Val	Ala	Asp	Tyr	Lys	Ser	Lys	Gly	Lys	Phe	Asp	Gly	Ala	
				165					170					175		
Lys	Gly	Pro	Ala	Lys	Val	Ala	Arg	Lys	Lys	Val	Glu	Glu	Glu	Asp	Glu	
			180					185					190			
Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Asp	Glu		
		195					200						205			

```
<210> 1668
<211> 636
<212> DNA
<213> Homo sapiens
```

<400>	1668						
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gaggtcctgt	tcaatttttg	ggaatttttc	aagaagtgtc	ctgagaggtg	gaagacgatg	180	
tccgggaaag	agaaaatcta	atttgatgaa	atggcaaagc	cagataaagt	gcgctatgat	240	
cgggaaatga	aggattatgg	accagctaag	ggaggcaaga	agaagaagga	tcctaattgt	300	

cccaaaaaggc	caccgtcttg	attcttcttg	ttctgttcag	aattccgccc	caagatcaaa	360
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aattttaaag	acagtgaaaa	gcagccttac	atcactaagg	cggcaaagct	gaaggagaag	480
tatgagaagg	atgttgctga	ctataagtcg	aaaggaaagt	ttgatgtgtc	aaaggggtcca	540
gctaaagttg	cccggaaaaa	ggtggaagag	gaagatgaag	aagaggagga	ggaagaagag	600
gaggaggagg	aggaggagga	tgaataatga	ctcgaag			636

&lt;210&gt; 1669

&lt;211&gt; 2821

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1669

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agccccgcgc	aagtctggcg	gcacctggcg	agcgagagcg	gagtcgggct	ggggaccgcg	120
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ccaaccccc	ggccgcgcgc	aatggtatgg	cccgccgga	gttaaggccg	gggggagggc	240
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ggcgcggttc	ggggggcgcc	cgagggggcc	gggcccagcg	gcggcgcgca	gggcggcagc	360
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ctgccgtccg	tgttggaacc	cgccaagggt	cagagcctcg	tggacacgat	ccgggaggac	480
ccagacagcg	tgccccccat	cgatgtcctc	tggatcaaag	gggcccaggg	aggtgactac	540
ttctactcct	ttgggggctg	ccaccgctac	gcggccctacc	agcaactgca	gcgagagacc	600
atccccgcca	agcttgtcca	gtccactctc	tcagacctaa	gggtgtacct	gggagcatcc	660
acaccagact	tgcatagca	gcctccttgg	cacctgctgc	caccttcaag	agcccagaag	720
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accatggtga	tgtaagatgt	tgaccttggg	gtaggctggg	tgaagggtat	acaggaactc	2700
tttgtactat	ctctgcaact	tctctgtaaa	tctagtatca	ttccaaaata	aaagttttatt	2760
taattttaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2820
a						2821

```
<210> 1670
<211> 137
<212> PRT
<213> Homo sapiens
```

```

<400> 1670
Met Gly Leu Arg Ala Gly Gly Thr Leu Gly Arg Ala Gly Ala Gly Arg
      5              10              15

Gly Ala Pro Glu Gly Pro Gly Pro Ser Gly Gly Ala Gln Gly Gly Ser
      20              25              30

Ile His Ser Gly Arg Ile Ala Ala Val His Asn Val Pro Leu Ser Val
      35              40              45

Leu Ile Arg Pro Leu Pro Ser Val Leu Asp Pro Ala Lys Val Gln Ser
      50              55              60

Leu Val Asp Thr Ile Arg Glu Asp Pro Asp Ser Val Pro Pro Ile Asp
      65              70              75              80

Val Leu Trp Ile Lys Gly Ala Gln Gly Gly Asp Tyr Phe Tyr Ser Phe
      85              90              95

Gly Gly Cys His Arg Tyr Ala Ala Tyr Gln Gln Leu Gln Arg Glu Thr
      100             105             110

Ile Pro Ala Lys Leu Val Gln Ser Thr Leu Ser Asp Leu Arg Val Tyr
      115             120             125

Leu Gly Ala Ser Thr Pro Asp Leu Gln
      130             135

```

```
<210> 1671
<211> 109
<212> PRT
<213> Homo sapiens
```

```

<400> 1671
Met Ala Arg  Pro  Glu  Leu  Arg  Pro  Gly  Gly  Gly  Gly  Glu  Ser  Arg  Gly
                    5                      10                      15

Gly  Gly  Asp  Asp  Gly  Ala  Ala  Cys  Arg  Arg  Asn  Ala  Gly  Gln  Gly  Arg
                20                      25                      30

```

Arg Gly Ser Gly Gly Ala Arg Gly Ala Arg Ala Glu Arg Arg Arg Ala  
35 40 45

Gly Arg Gln His Pro Leu Gly Pro His Arg Arg Gly Ala Gln Arg Ala  
50 55 60

Ala Glu Arg Ala His Pro Ala Ala Ala Val Arg Val Gly Pro Arg Gln  
65 70 75 80

Gly Ala Glu Pro Arg Gly His Asp Pro Gly Gly Pro Arg Gln Arg Ala  
85 90 95

Pro His Arg Cys Pro Leu Asp Gln Arg Gly Pro Gly Arg  
100 105

<210> 1672

<211> 145

<212> PRT

<213> Homo sapiens

<400> 1672

Met Gly Leu Lys Ser His Val Leu Pro Ala Pro Asn Ser Gln Gly Gln  
5 10 15

Gly Ser Leu Cys Ile Phe Val Tyr Val Thr Ser Tyr Met Asp Tyr Ile  
20 25 30

Gln Leu Gln Gly Lys Glu Asn Leu Asp Cys Ser Gly Leu Asn Lys Gln  
35 40 45

Lys Ile Val Phe Pro His Ser Met Asp Ser Gly Asp Gly Trp Leu Met  
50 55 60

Val Leu Val Gln Gln Leu His Glu Gly Arg Gly His Val Leu Asp Pro  
65 70 75 80

Phe Ala Leu Ile Ser Val Leu Val Thr Ser Trp Ser Gln Asp Gly Cys  
85 90 95

Cys Ile Pro Lys Asn His Val Cys Val Gln Gly Arg Arg Gly Gly Gly  
100 105 110

Arg Gly Arg Ala Lys Leu Ala Gly Pro Val Thr Phe Tyr Gln Lys Val  
115 120 125

Lys Pro Arg Gln Lys Ser Val Ser Cys Ser Leu Pro Leu His Ile Phe  
130 135 140

Thr

145







```

ctgaggaaac gtctctccca ctgtttgtac tctcaccttc attcttcaat tcagtctagg 1080
aaaccatgct gtttctctat caagaagaag acagagattt taaacagatg ttaaccaaga 1140
gggactccct agggcacatg catcagcaca tatgtgggca tccagcctct ggggccttgg 1200
cacacacaca ttctgtgtgct ctgctgcatg tgagcttgtg ggtagagga acaaatatct 1260
agacattcaa tcttcaactct ttcaattgtg cattcattta ataaatagat actgagcatt 1320
caatgtgaaa aaaaaa                                     1336

```

<210> 1677

<211> 250

<212> PRT

<213> Homo sapiens

<400> 1677

```

Met Asn Ser Met Thr Ser Ala Val Pro Val Ala Asn Ser Val Leu Val
      5                                10                                15

Val Ala Pro His Asn Gly Tyr Pro Val Thr Pro Gly Ile Met Ser His
      20                                25                                30

Val Pro Leu Tyr Pro Asn Ser Gln Pro Gln Val His Leu Val Pro Gly
      35                                40                                45

Asn Pro Pro Ser Leu Val Ser Asn Val Asn Gly Gln Pro Val Gln Lys
      50                                55                                60

Ala Leu Lys Glu Gly Lys Thr Leu Gly Ala Ile Gln Ile Ile Ile Gly
      65                                70                                75                                80

Leu Ala His Ile Gly Leu Gly Ser Ile Met Ala Thr Val Leu Val Gly
      85                                90                                95

Glu Tyr Leu Ser Ile Ser Phe Tyr Gly Gly Phe Pro Phe Trp Gly Gly
      100                                105                                110

Leu Trp Phe Ile Ile Ser Gly Ser Leu Ser Val Ala Ala Glu Asn Gln
      115                                120                                125

Pro Tyr Ser Tyr Cys Leu Leu Ser Gly Ser Leu Gly Leu Asn Ile Val
      130                                135                                140

Ser Ala Ile Cys Ser Ala Val Gly Val Ile Leu Phe Ile Thr Asp Leu
      145                                150                                155                                160

Ser Ile Pro His Pro Tyr Ala Tyr Pro Asp Tyr Tyr Pro Tyr Ala Trp
      165                                170                                175

Gly Val Asn Pro Gly Met Ala Ile Ser Gly Val Leu Leu Val Phe Cys
      180                                185                                190

Leu Leu Glu Phe Gly Ile Ala Cys Ala Ser Ser His Phe Gly Cys Gln
      195                                200                                205

Leu Val Cys Cys Gln Ser Ser Asn Val Ser Val Ile Tyr Pro Asn Ile
      210                                215                                220

```

Ser Tyr Ser Ser Glu Ile Gln Ala Asn Lys  
245 250

```
<210> 1678
<211> 177
<212> PRT
<213> Homo sapiens
```

<400> 1678  
Thr Arg Pro Arg Arg Ala Ala Gln Gly Arg Arg Glu Ala Pro Pro Gly  
                  5                     10                     15

Gly Glu Pro Glu Pro Arg Ala Ser Leu Ala Ala Pro Gly Glu Arg Ser  
20 25 30

Arg Ser Arg Ala Gly Asp Arg Gly Val Glu Ala Gly Pro Arg Arg Gly  
35 40 45

Arg Gly Arg Asn Ala Arg Cys Pro Gly Thr Gly Pro Asn Pro Pro Ala  
50 55 60

Ala Arg Asn Gly Met Ala Arg Pro Glu Leu Arg Pro Gly Gly Gly Gly  
65 70 75 80

Glu Ser Arg Gly Gly Gly Asp Asp Gly Ala Ala Cys Arg Arg Asn Ala  
85 90 95

Gly Gln Gly Arg Arg Gly Ser Gly Gly Ala Arg Gly Ala Arg Ala Glu  
100 105 110

Arg Arg Arg Ala Gly Arg Gln His Pro Leu Gly Pro His Arg Arg Gly  
115 120 125

Ala Gln Arg Ala Ala Glu Arg Ala His Pro Ala Ala Ala Val Arg Val  
130 135 140

Gly Pro Arg Gln Gly Ala Glu Pro Arg Gly His Asp Pro Gly Gly Pro  
145 150 155 160

Arg Gln Arg Ala Pro His Arg Cys Pro Leu Asp Gln Arg Gly Pro Gly  
165 170 175

Arg

```
<210> 1679
<211> 42
<212> PRT
```

<213> Homo sapiens

<400> 1679

```

Leu Val Cys Cys Gln Ser Ser Asn Val Ser Val Ile Tyr Pro Asn Ile
 1           5           10           15
Tyr Ala Ala Asn Pro Val Ile Thr Pro Glu Pro Val Thr Ser Pro Pro
          20           25           30
Ser Tyr Ser Ser Glu Ile Gln Ala Asn Lys
      35           40

```

<210> 1680

<211> 717

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(717)

<223> n = A,T,C or G

<400> 1680

```

aaaagaattt ttgcttttctt tntctctaaa ttttcttcc gtgctttgat gggggctcgt 60
ttctcacgtt ccagtctggg aaaatgggtcc acataaggca aggcaaagaa tcgtttccta 120
ttgtatcttt tatttaggtg ccaaggtata acccactgct tgaacttggt ccagatgatt 180
cttccaaaga tgtctcttct ccaagcacca ggtctagctc tttcttgacc agtctgaaga 240
agccttaggg catcttctct ttcttggaaca actttatcta atgcatccat ggaatctact 300
accttatcta accgctctgg acttggcatt ggcaatctct gccgcttggc ctctgtctct 360
agggttagaa gcatgtttct ttctttcagt aagacatacc aaagtgtgtg taaatcttca 420
ttacttttgt tccttagttg ctgacagggtc catgctgctc cagattttac tttttcttgc 480
ccccagtttt ttgggtcatc aaaaaattct tctagtcctt tccttgacaa tgtggtatga 540
agtaatctat attggtgaaa ggatgtcaca tttggtgtac tcttangcaa caaactaaga 600
aaaaaccctg tcaggcaggg acctgaggag ttattaacga accgggaaga attcagggcg 660
gatgaaactc tcctaccaag aaagggncaa accgggccgc agccatgttt tconcat 717

```

<210> 1681

<211> 305

<212> DNA

<213> Homo sapiens

<400> 1681

```

ctgtacattt aacaaaatat gtgcaagact gtcatggtga aaactacaaa acaatgataa 60
aagaaattca agaaaacaaa taaatacagg ggtatactat attcatgaat tgggagaatc 120
aatatcatta ttaagtctcc tcagattgat ctatagattc acagaaatcc caattcaaac 180
cctatcagga ctattttagt aaatagacac actgatgata aaatttacat agaaacacaa 240
aggaagcaga atagccaaaa attattgggg aaaaaatgta gttgaaggat tccattact 300
ccttt
305

```

<210> 1682

<211> 498

<212> DNA

<213> Homo sapiens

```

<400> 1682
aaattacact ccataaattt agacatatgt ctctccaagt aagtacgagc tgattgggaa 60
cgggctccaa tggacatggc tctgcagtca aaatagttag cagatggaca ggtttggaaa 120
atgtgagggc ccataatcatc ataaccagca ataaggagac caacaccata tggctctcgg 180
ccatatcggt gtgttggtat ctgggtctct tagactgggt aacgagcttg ttttaacaag 240
gaatgaagta ctgtctttat tttcaaatta tacattatta acaaaggtct ctggcttatt 300
ctttaattgt tgcataatcc accagagaaa taatgcaata ggacactatt tctttggcct 360
aatataaaat gtttgacttt ctaccgaacc taagaaagag tgccagcaaa ataatttctt 420
cccactaaa acctgatttg ttttggatac aagggggtct aggatttctt gggacatcta 480
gaaccattaa gaaacttt 498

```

```

<210> 1683
<211> 322
<212> DNA
<213> Homo sapiens

```

```

<400> 1683
aaaaattaaa aatagcacia ttctacaatt ctgattttac caagaaaata aacotTTTTT 60
ggcacatatt atcctatgaa aatggaaagc tgagtcaggc tgctctgctt ttcacagcac 120
aaataagcat tcatgctatc agacttggga aattaactcg gtgacaaaaa ttcactggaa 180
aatagaatcc ttggaaaaat ggggtcaggc gccatccact gagaggcaat gataatgtgt 240
gtccttcggt attagcacia agttaggcag cacactataa ttttagctac atgcaactct 300
ataggaacac atgtgggtaa gg 322

```

```

<210> 1684
<211> 293
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

```

```

<400> 1684
aaaagatgct gottccctgt tttcttccag gaacacagag accaacacgg nttaaacac 60
agggcgagct tctcactatt tcttggaat gttacttctc agcccaacac ttctcttccc 120
aagaagttca agttttgaga ctgtttttct ccccggaaca gtacttaaaa aaaaaaaaaat 180
cnttgatntt caaanatggg ttnttttctg gtcttggaan agcatcagta actaaatctc 240
aagtnttcca caatgctgcc cccctggggg ggctaaccgg atgccaaggg aga 293

```

```

<210> 1685
<211> 390
<212> DNA
<213> Homo sapiens

```

```

<400> 1685
aaattgtcta actcctatcc cagtttcttt ttatagtcta aaaacaagga atcaccacaa 60
taagatactc cttcagagca ctgctgaaaa cggatcaaac gtagagatcc cccagatccc 120
tgttctcaag tgtaaaaaat attttatatt agcacataga atacccttag atatattctg 180
ttatgttcta aagagtttgt gtttccccct ttttgatgat gtcttcaatt tcttctgaga 240
cctttcctgt atagtcattt ggttctattg cttttaactt ctcttgatac tccagcggca 300
aaccattttc ttttgcaccc atgcaataaa tctttttata ctgtggggat gggggagcac 360

```

tttcgtaatt tgtcatcaga taacttcgac

390

<210> 1686

<211> 549

<212> DNA

<213> Homo sapiens

<400> 1686

```

gggtccagtc caacctgctc ctctattattg taaacatgtg cagaatcaat atggtggaac 60
ccggcttcta ttgccaatTT gacggcctct agagctttac ttttaggaac ctgggggagc 120
aaccaaacgt aatattttct gactaatgtg cctgagagtt agttcgggca caagcagcaa 180
cgttcacaaa aatcagotTT tcctcctttc ttggatgagc tctgtatgta gaatcataag 240
cccatcccag tctgactggg tctttcccat ttagtaataa aggttgggca tagcaggaac 300
ttctgcagtc ccagaaaaat cactgaaagt ggaagtgtcc ccaaaacaat ttcactttca 360
gtgatttttt ggaaaaatca acaggacgca actatagtta cagacataat cttaattatt 420
tttagtatgg tgaaattaac acaaggaaat agccacatgg aaggaattat gaaggaatgc 480
agtgtgaagct cctgtgatTC ctctcccacc atgttgacac gagcgcaactg actttatcca 540
gcatcatat

```

<210> 1687

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(442)

<223> n = A,T,C or G

<400> 1687

```

caactgcaaa tgaagatcct ttttggtatc ttgntgagaa agacacattn gggggggggg 60
tgtgacnaaa ataacgatgg ccggcttgat ccccaagagc tgttaccttg ggtagtacct 120
aataatcagg gcattgcaca agaggaggcg cttcatctaa ttgatgaaat ggatttgaat 180
ggtgacaaaa agctctctga agaagagatt ctggaaaacc cggacttggt tctcaccagt 240
gaagccacag attatggcag acaggctcca tgatgactat ttctatcatg atgagcttta 300
atctccgagc ctgtctcagt agagtactgg ctctttttat aatttgttac cagctttact 360
tttgtgataa aatattgatg tngnntttta cactcttaag tcttaaccac agtcacaatt 420
atcttaatgt agatnataat tg

```

<210> 1688

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(340)

<223> n = A,T,C or G

<400> 1688

```

ctgccagcta acagcaagag cnttgagggc atcactgaac agatagcacc tnatgngntn 60
tnatgattca aaaatctccc ttgctgttgg atttaccac acgtaggctt ttatttcttc 120
ccattacatc tgttttagcca cagaaagcat cgggccatcc tctactgcaga agataagact 180
tcctcagaat cttatttggT tagtgcactc aattttactt cactgtctca tcacttgaga 240

```

gactgggttaa ggcaagaaac ccattttotta acattttttt tgttttcaaa catttgaaaa 300  
gcaacaccaa aacgtatgca gttaatcct caattctttc 340

<210> 1689  
<211> 140  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(140)  
<223> n = A,T,C or G

<400> 1689  
ccagagggcc tgcacatgca atttcagtc cctgccttca gagagctgaa aagggggcct 60  
nggtctttta tttcagggct ttgcatgcgc tctattcccc ctctgcctct cccaccttc 120  
tttggagcaa ggagatgcag 140

<210> 1690  
<211> 485  
<212> DNA  
<213> Homo sapiens

<400> 1690  
gagattatta cccagaattc acatgtaggg atggggaagg acaatttttt tttaactaaa 60  
aaagttaggc gcaggggtgg ggggtggcaa tcatttttct tcctatacat acaaaggata 120  
ttgtcaaaaa tggcgttctt ctcttggtgc ctgttattct gattgctgct gtatacagtt 180  
ttgtcactct ttagttttta gtttaagcata ctgatagact ttctctaaa agccattcac 240  
tccagatttt acctggggaa tattctacat actgcttact ttctctataa aactcatcaa 300  
taaattcatga aaggcactga gttttgtaaa tcaggaccct aaatgtttta ttgtaaataa 360  
gtttcagata attattatag ctttgcggtg aagtttggtg ttttttttct caactagtta 420  
agtcaactgc ttctgaaata actctgtatt gtagattatg cagatcttta caggcataaa 480  
tattt 485

<210> 1691  
<211> 342  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(342)  
<223> n = A,T,C or G

<400> 1691  
gaagaaacaa ngatgacttt ttttanaaca aagcataatg ctggcaatnn ngnggggggt 60  
nnagttttcc aaacatgtta tcttaaatac ccttttatcc ttacagggtg acataacttt 120  
gaatgtttta acagcaagaa tnttaagaaa agataaacac catttttatt atntataaaa 180  
acaaaattan ttncaaatat ttttgacatt gtgatttttt tttccacat ttctcagcaa 240  
anctaattggn attttaatca ttatttttgc ctgtcataag aaaactctta nctgaaatgg 300  
ccnnaaaact gtganacatg ctatggaanc tgaatgccgg ac 342

<210> 1692  
<211> 450

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(450)  
<223> n = A,T,C or G

<400> 1692  
aaaaatgggg ccccaaagac tgntaagagc tcatccccgt ggtctcctat caccgggggnn 60  
ggggttcatg tctgatgaga agcttggacg gtactgaaac tcatacatgt aggtgggtgc 120  
tccagcatct ctgtggttcc gggccacaat cacagatggg acaccaaaca tcacatctgc 180  
tatcaagtcc aggaacaggt ctttcttttt gacagtgtcg tctgttcctc ctaagtattt 240  
ctcagtggct tctggaatca gttccttagc aatgcaaaca aggggatagg acttccacag 300  
gagtgcacatg gctgtcttct ggtccagttg cccttcggag agtggatagc tcatcaactg 360  
cattggaatc aaccagccaa actcctgctt gttaattccg accatgtang ggacagngtg 420  
gaaattcctt tcagcttgaa agctcttcag 450

<210> 1693  
<211> 436  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(436)  
<223> n = A,T,C or G

<400> 1693  
ctatttttatt aacatcatgn tttaataaat aactggctac ttctaataaa nnggggggnct 60  
cngtttaciaa cagcccccaa tattccattt tgaccaactc gcagaatttg gtgtaaaaag 120  
ttgaatgaaa tgtagacctt gagctatcaa gtaattatgt ttcaatataa aaatagagaa 180  
ttactcttac aactgaagat tgaacaataa cacaaacaac ctctttgttg gtttttaggtt 240  
cggtaaaatt agttgggacg ttaatggctg tctaaagcag gaaganacag aattttaatc 300  
tttctgaaga cttctgggaa ctnccttgaa agngatttgt taccttatca gagtttatga 360  
gctattattt tggtnaaggc acaangaaag gattccang nngttgntan tcttttgccc 420  
tggnacaaa anattg 436

<210> 1694  
<211> 313  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(313)  
<223> n = A,T,C or G

<400> 1694  
attatctgca aggttttttt gtgtgtgtnt tngnttttat tttcaatatg caagttaggc 60  
ttaatttttt tatctaataa tcatcatgaa atgaataaga gggcttaaga atttgtccat 120  
ttgcattcgg aaaagaatga ccagcaaaaag gtttactaat acctctccct ttggggattt 180  
aatgtcttgt gctgccgcct gagtttcaag aattaaagct gcaagaggac tccaggagca 240  
aaagaaacac aatatagagg gttggagttg ttagcaattt cattcaaat gccaaactgga 300



gaagtctgtt ttt

313

<210> 1695

<211> 522

<212> DNA

<213> Homo sapiens

<400> 1695

```
ccattttcag gggaagcttg ggagagcaat agtatggtga gccccttaga gatgagcgcc 60
tactccttct tggcgaatgc tgccttcaga tgcttaccaa gtggtcactg catctagtaa 120
gattatattt ccagtacact tccttagggc agaaacacca tcctatcagg ttggtcagt 180
cccttcttca tgaagggagt catggggaat tcctgaaaat tttcttcctt ctgcagacag 240
ttggatgagt cccttagaga aggcattccag agacataact aaactgaata tcatcccata 300
ttgatttttag gaattgactc taaaactctg tgcagaatct tgtgttgga ttgtatcttg 360
acattcctgt tgtgttattt ttcttaactg gagtgtgtgc tgccttcag gtacaatttt 420
tgtgtaataa aagccagtgc attaagttta tatagactac tttctatgca agactgagat 480
atggaataga taggaagaga tatgtactgc tgggtacatg ga 522
```

<210> 1696

<211> 174

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(174)

<223> n = A,T,C or G

<400> 1696

```
ccagccattg cctggcattt ggtagtatag tatgattctc accattattt gncanggagg 60
cagacatata ccagaaatgg gggagaaaca gtacatatct ttctgtcttt agttttattgt 120
gtgtgtgtct aagcaagctg agatcatttg caatggaaaa cacgtaactt gttt 174
```

<210> 1697

<211> 561

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(561)

<223> n = A,T,C or G

<400> 1697

```
ctgtaatgtt attgcagatc cncatctctc gctcaactgt taatgtctca acctnnagag 60
gcacccacc cagcacactg tcagtaaagg ggcagattga aacagtgaga gtttaagggtta 120
cagtagaaaa ttctgcatgt ttgcagtgc tagaatcaga tagtagtggtg gtgggtttttt 180
tttttaatac ttatgaanag tgggagcttg caggtaaggc ttctgtggtg gtttgaaaag 240
cagaaagcaa taaatgaaac aaagngtttg tgtaatatat tcctgccttg tcttcttcac 300
tcagagttga aataggtttt gcagtaaagc tggaaaaaaa aagaaaacaa atgttcaaaa 360
ctgtgtgtgt tggngggngg aatttccttt gcttatagna gtttcagagn aactatatgt 420
tttttttctt ttctttttca caggcacaga aaactgaatc tgtanataac gagggaaaat 480
gaattgcatg aaaaattggg gttgatttta tgtatctctt gggacaactt ttctcggcc 540
gcnaccacnc taaggcgaa t 561
```

```
<220>  
<221> misc feature
```

<223> n = A, T, C or G

```

400> 1701
aaanaacact  anngacctt  agagatnata  actgtttgat  aatttgnctc  agnctgtattg  60
ncntaaaaaga  tatatnnng  gggggnnnnt  cnntgtnaan  ngntgtttgg  attgcttgat  120
attatancnn  ggnngttggg  nnntatntna  cncantatac  ctcnngcgcga  accncgctaa  180
tgcnagnat  catnacactg  gcngncgtta  ctactggatn  cgagctcngt  gccaatnncn  240
ncttctcat  ncccta

```

<211> 526

<212> DNA

<213> Homo sapiens

<221> misc feature

<223> n = A, T, C or G

acctaattna	ttgaagtaat	aaccaaataa	ttttcaatct	tgattcaact	gtgattcaaa	60
tcttacacca	tttgcccact	tctatgaatt	ttatgtataa	aattttttta	gagtcagagt	120
ttttttttct	gattaatatgg	atgtatttca	cagaatttcc	aactgctcac	gttagttttc	180
ttcttttttag	agttgatctc	tctaattgat	tagatcttca	tgcttttgat	agtctctctg	240
gaataagttt	gcagaaaaaa	cttcagcatg	tgccaggaac	acaacctcac	cttgatcaga	300
gtattgttac	aatcacattt	gacgtaccag	gaaatgcaaa	ggaagaacat	cttaatatgg	360
ttattcagaa	tcttctgtgg	gaaaagaatg	tgagaaacaa	ggacaatcac	tgcatggagg	420
tcataaggct	gaagggattg	gtgtcaatca	acgacaaatc	acaacgagtg	attgtncagg	480
ggggtccatg	agctctggtg	atccggggagg	agactccaat	gagctg		526

<211> 116

<212> DNA

<213> Home

gacctccgaa ctagagctcta atttagctga tcagattttg cttgggtaaa gttccttttt 60  
aatgtttctaa agtgttttacg gttctcaaat atcagttaaa aactaatttt aggtgg 116

$\langle 211 \rangle$  241

<212> DNA

<213> Homo sapiens

<221> misc feature

<223> n = A, T, C or G

```
<400> 1704
aaaaattgtg taattgttaa atgtccagtt ttgctctgtt ttgctgaag ttttagtatt 60
tgttttctag gtggacctct gaaaaccaa ccagtacctg gggaggtag atgtgtgttt 120
caggcttgga gtgtatgagt ggttttgctt gtattttcct ccagagattt tgaacttta 180
```

taattgcgtg tgtgtttttt ttttttttna aggggctttg ttttttttn tcaanaaaaa 240  
t 241

<210> 1705  
<211> 336  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(336)  
<223> n = A,T,C or G

<400> 1705  
ggctcctgtnt anacacacat caatatgaaa caaaaaaaat ttatataaat aagtcaatta 60  
aaacttcacaa aaactaaaga aacacaagac aaaaatccaa caagcaataa aaactgtaca 120  
atattgggtca gtctttttata tctgaaaaat gtgtaactta aaaaaaagtt atttatcgta 180  
taaaaaaagt cttttacatc tgtgttagct ggagtgaataa cttgaagact cagactcagt 240  
ggaaacagat gaatgtccac ctgcgtttcc tttggagagg atcttgaggc tggaccctct 300  
gtcacacagag gtgagtgcgt gctgggcaga ggtttt 336

<210> 1706  
<211> 107  
<212> DNA  
<213> Homo sapiens

<400> 1706  
agggtggctc tgggagcagt tgtgctgcgg gcttgctggg ggagaactct aactgttgca 60  
gaaacagagc ttcattggctt gcttaaatta cttagctgga atatttt 107

<210> 1707  
<211> 512  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(512)  
<223> n = A,T,C or G

<400> 1707  
ttttttgtct ggtaattata tatttattat ttagcaaaac tgaagaaaaa aagcacagaa 60  
ttgtttcaac agatgtctct cattttcagc tagcatttct ctcccaagtt gagctggttt 120  
aatgtgtttt ggatttccct cctcaattgg cttatttttt agatcacctg caattcattt 180  
gcaaattgca ataaaacaca ttttagaaaa aaggaacctt caattattag ctttgtttct 240  
ttttaaatgt atatatattt actaatgttt gtgaatgaag ttggctaaca tgtatttagt 300  
ttcattttgg cggtagtaaa tataaagttt ttaaaatttt aaatatggtt ttaaccttta 360  
tgtgtaaaatg attttctagt gtgaccttct aatttaatat tagacgtcta aggtatatct 420  
gtaaattaga atccgactat cactctgttc attttttttg aacaaaagngn ttaaagaaag 480  
cctgaaccag ggaaaaaaaa aaaaaaaaaa aa 512

<210> 1708  
<211> 203  
<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(203)

<223> n = A,T,C or G

<400> 1708

```
aatcttctaa aggaagaaca gaccccnag aataanatta cagttggttg gggttggtgct 60
gttggcatgg cctgtgccat cagtatotta atgaagacta taatgtaact goaaactcca 120
agctggtcat tatcacggct ggggcacgtc agcaagaggg agaaagccgt ctttaatttg 180
tccagcgtaa cgtgaacatc ttt 203
```

<210> 1709

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(271)

<223> n = A,T,C or G

<400> 1709

```
ngttgaaaaa atagatccaa tcagtttata ccctagttag tgttttgcct cacctaataag 60
gctgggagac tgaagactca gcccggttg ggctgcagaa aaatgattgg cccaggtccc 120
cttgtttgtc ctttctacag gcatgaggaa tctgggaggc cctgagacag ggattgtgct 180
tcattccaat ctattgcttc accatggcct tatgaggcag gtgagagatg tttgaatttt 240
tctcttcctt ttagtattct tagttcttca g 271
```

<210> 1710

<211> 239

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(239)

<223> n = A,T,C or G

<400> 1710

```
tacaaaaatat ttttaattgta agtggtcaga ggaattcttc tggttttctcc cttatggnta 60
tttttaattt gtacaatagt tgcttctgtc aactcagcga caatgccatc atagctttca 120
aatgagatca ccctgtagat cgatggacta tgccttaaag ttgcagatgc ataaaggaga 180
ctgaggacaa atggtgaaaa ctgtagttac tgaacccaaa tgttactcag agatatcaa 239
```

<210> 1711

<211> 122

<212> DNA

<213> Homo sapiens

<400> 1711

```
agtgtgaagtg aacacagaag agtgacatgt ttacaaacct caagccagcc ttgctcctgg 60
ctggggcctg ttgaagatgc ttgtatttta cttttccatt gtaattgcca tcgccatcac 120
```



<400> 1716  
 gtaggaatgg gttcttggt cacaagatag tattgttgag ctagttttcg agctctgtgc 60  
 acaagcactc ttttaattccc acggacgggg ctcctccagc tacagcagcc aaagcatatt 120  
 caatctggac aagtttacca gacgggctga atgtagtcag cgaaaaactg taccgcgcgt 180  
 ccgcc 185

<210> 1717  
 <211> 296  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(296)  
 <223> n = A,T,C or G

<400> 1717  
 aanaggtctc tgggtggagag gactgtgaag ccgtcggcag gtgtgccctc ggttgtgccg 60  
 tcggcgctgg ctgccttact gacttcaccc tgccttcttct tggatttcog ggcccccttc 120  
 ttgcctctcg cttttttaga tgcaggcttc ttctgggatg gagacttggc ctttttggct 180  
 gggggtggtg tgatgatggc ttccaacttt cctttggatc cccgcttctt cgctagcaac 240  
 tcggggtgga tggtgggtaa cacaccccca ctggctatgg tgactccttt tagcag 296

<210> 1718  
 <211> 343  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(343)  
 <223> n = A,T,C or G

<400> 1718  
 atggcattaa ttgttccttg cttttatagg gtgtattttg tacatttttg atttctttat 60  
 ataaggtcat agattcttga gctgttgtgg tttttagtgc acttaattatt agcttgctta 120  
 aggcatactt ttaatcaagt agaacaaaaa ctattatcac caggatttat acatacagag 180  
 attgtagtat ttagtatatg aaatatnttg aatacacatc tctgtcagtg tgaaaattca 240  
 gcggcagtggt gtccatcata ttaaaaatat acaagctaca gttgtccaga tcaactgaatt 300  
 ggaacttttc tctgtcatgt gnatatatgt caaattgtca ngc 343

<210> 1719  
 <211> 193  
 <212> DNA  
 <213> Homo sapiens

<400> 1719  
 tcgaggaccc ccgagatgca gaggatgcta tttatggaag aaatggttat gattatggcc 60  
 agtgctggct tcgtgtggag ttccccagga cttatggagg tcggggtggg tggccccgtg 120  
 gtgggaggaa tgggcctcct acaagaagat ctgatttcog agttcttggt tcaggacttc 180  
 ctccgtcagg cag 193

<210> 1720

<211> 176  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(176)  
 <223> n = A,T,C or G

<400> 1720  
 tgattcagaa ttttttttaa tgaaaggatn attgcactaa ctttcttctt gctgctctga 60  
 ttctgcattt gtggtacttg tgactacgtt ntttcaaata tagatagatt taagctgcta 120  
 attttttttt ttttagtaac cactnctata tcatgtcttt tactctgntn ataata 176

<210> 1721  
 <211> 128  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(128)  
 <223> n = A,T,C or G

<400> 1721  
 tattottang aaacttcctt aatccottgg aaattcccgg gtccttcaag aataaaaaaa 60  
 aaagggtcaa gaagaacaaa ttaccaaagg gaaagaatgg ctttcaatat aataagggtc 120  
 atttttta 128

<210> 1722  
 <211> 285  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(285)  
 <223> n = A,T,C or G

<400> 1722  
 ttatgaagtt gacaaataaa taaaaggtag tggntatgtc tgagcttatt gtgtttgagc 60  
 taacaccagg ttactcagta accatgacct gtcctccat ttccatttat tctcaacatt 120  
 aaatagtttt atcttggtgn tgccagaaat gcacttggtc caggntatgn cctgctgta 180  
 tgaaaagctt cttggcaatg aattctgtaa taagtgcctt acattatggn tttctggtgg 240  
 aattggttta acagngacaa cccaggattt ccaatatatt tttgt 285

<210> 1723  
 <211> 536  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(536)

004962.0501



<210> 1727  
<211> 274  
<212> DNA



<223> n = A,T,C or G

<400> 1730

```

anctgtactg tatttatgtt gctattgggc aaaagagatc cactggtgcc cagttggtga 60
agagacttac agatgcagat gccatgaagt acaccattgt ggtgtcggct acggcctcgg 120
atgctgcccc acttcagtac ctggctcctt actctggctg ctccatggga gagtatttta 180
gagacaatgg caaacatgct ttgatcatct atgacgactt atccaaacag gctgttgctt 240
accgtcagat gtctctgttg ctccgccgac cccctggctg tgagg 285

```

<210> 1731

<211> 244

<212> DNA

<213> Homo sapiens

<400> 1731

```

cattaccttg ctaaaatttc cactaagcta cagcttcaga tatttacaag aaaaataaat 60
atcttttaac agacttcaat gtggtttaac agcaagctag ctgaggagtt gtattttgtt 120
gttatttcag gtaacttttt attaagaaac agttaatatt tcagcgatta caatttcagg 180
tgttcaaaac tcaagaaggg tcatcattat actctgaagc agaattcttc aggtactcat 240
cttt 244

```

<210> 1732

<211> 272

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(272)

<223> n = A,T,C or G

<400> 1732

```

ctgggaagnc agttcgttct ctctctctct ctctctctgt ttgaacatgg tgcggactaa 60
agcanacagt gttccaggca cttacagaaa agtgggtggc gctcgagccc ccagaaaggt 120
gcttggttct tccacctctg ccactaatcc gacatcagtt tcatcgagg aaagctgaaa 180
ataaatatgc angagggaac cccgtttgcn tncgcccaac tccaagtgg caaaaaggaa 240
ttggagaatt ctttatgttg tcccctaaag at 272

```

<210> 1733

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(388)

<223> n = A,T,C or G

<400> 1733

```

anttgaaga gcatatgaac acgggccagc tagcaggatt ttcacatcaa attagaagtc 60
tgattttgaa taatatcatc aataagaagg agtttgggat tttggcaaag accaaatact 120
ttcaaatggt gaagatgcat gcgatgaata ccaacaatat cactgagcta gtgaactatt 180
tggcaaatga cttaagttta gatgaagctt cagtcttgat aactgaatat tcaaagcact 240
gcgggaaacc tgtgcctcca gacactgctc cctgtgaaat tctgaagatg tttcttagtg 300

```

gattatcgta aatcactgaa cctttttttc aagaaggaca agaatttttg agtctgctat 360  
 taatgggacc atatttatta cagttttt 388

<210> 1734  
 <211> 282  
 <212> DNA  
 <213> Homo sapiens

<400> 1734  
 tttggaatgt aaaattaatg gtatctggta tcaagttgta agaaaaactc cccagattg 60  
 ggaggttaact gagtgatatg tgaaagaatc ttcccgctctg aatttaagaa tacacctaca 120  
 ctgggcagaa aaagggtgggg gagaggaagt agaagtagag gaaaagcaca actccactgg 180  
 cttcaatcaa actgaggtaa ctaattagag acggaaaata aataaatcaa caaatgcccc 240  
 atttttgttt tccaaaaaag atcactggca actaacaatt tt 282

<210> 1735  
 <211> 268  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(268)  
 <223> n = A,T,C or G

<400> 1735  
 ntaagccagc cttcctcaag aatgccagac agtggacaga gaagcatgca agacagaaac 60  
 aaaaggctga tgaggaagag atgcttgata atctaccaga ggctggtgac tccagagtac 120  
 acaactcaac acagaaaagg aaggccagtc agctagtagg catagaaaag aaatttcac 180  
 ctgatgttta ggggacttgt cctggttcat cttagttaat gtgttctttg ccaaggtgat 240  
 ctaagttgcc taccttgaat tttttttt 268

<210> 1736  
 <211> 478  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(478)  
 <223> n = A,T,C or G

<400> 1736  
 tnatagaactt ttccaatggc ccccttataa caccagaaag gattgtaatc ttgggcgtat 60  
 tttgtgctgg catctttggc agttgtgaag atcttgtagc agagcgtggc gttgctgtac 120  
 gtgtcaggaa cacagtgcgg tggctgtaca gtgacgggga acaccccagg gctggccgtg 180  
 agggctcatgc aggtctgtgaa taccacctgc tcacagtgc cgtggagggc gcagtcactc 240  
 gagctccacg ctgtaggcag ggtgaagggtg atgtttatct cctcgtgggc ttccctgcct 300  
 gaaagtccaa tctgatgcc taagatggtg gagtacagat gggtgacgtt gcgggaatac 360  
 cctccgaagg gtttcagtgg gtccagggtt agggtgattg agactgagat attcacggg 420  
 cccgagtcct ccagggcctg gggggactgg gtggaagctc gggcctgccc gctggtca 478

<210> 1737  
 <211> 489

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(489)  
<223> n = A,T,C or G

<400> 1737  
ctttnaggat ggcgagtagc agcggctcca aggctgaatt cattgtcggg gggaaatata 60  
aactggtacg gaagatcggg tctggctcct tcggggacat ctatttggcg atcaacatca 120  
ccaacggcga ggaagtggca gtgaagctag aatctcagaa ggccaggcat cccagttgc 180  
tgtacgagag caagctctat aagattcttc aagggtgggt tggcatcccc cacatacggg 240  
ggtatgggtca ggaaaaagac tacaatgtac tagtcatgga tcttctggga cctagcctcg 300  
aagacctctt caatttctgt tcaagaagggt tcacaatgaa aactgtactt atgttagctg 360  
accagatgat cagtagaatt gaatatgtgc atacaaagaa ttttatacac agagacatta 420  
aaccagataa cticctaatt ggtattgggc gtcactgtaa taagttattc cttattgatt 480  
ttggtttgg 489

<210> 1738  
<211> 262  
<212> DNA  
<213> Homo sapiens

<400> 1738  
gttacagatg acatgtatgc agaacagacg gaaaatccag agaatccatt gagatgtccc 60  
atcaagctct atgatttcta cctcttcaaa tgccccaga gtgtgaaagg ccggaatgac 120  
acctttttacc tgacacctga gccagtgggtg gcccccaaca gcccaatctg gtactcagtc 180  
cagcctatca gcagagagca gatgggacaa atgctgacac ggatcctggg gataagagaa 240  
attcaggagg ccatacgcagt gg 262

<210> 1739  
<211> 422  
<212> DNA  
<213> Homo sapiens

<400> 1739  
ccaccatcct tttgagacag ttcctatcaa caatcttgaa ccataactaat acattacttg 60  
ttcctgaagt ccttttgttg tagctcataa taaaataagc aatacaaatg aattatctgt 120  
atttaaggga aaagaaacat ttacaagaaa acacaaaaat ataactgtta taattcatta 180  
tgaataaata tacactttga actggctaag tacaatcttt atacattggt taagatttaa 240  
tacagtttat tagccatttt cttttttcac acaatgtata tcaaaaattaa aaaaaatac 300  
tgatttatag aaaaatggca aagtacagta gttccattcc aatttgaagg gccatgaaaa 360  
gccactgcaa gaccttttag cctaattcaa acctgtaaac atgttcagtc ttttttacct 420  
gc 422

<210> 1740  
<211> 92  
<212> DNA  
<213> Homo sapiens

<400> 1740  
gctaaatacc tatctaattg gctatgttta tcaaactgtg tactaaaatg gaaagctagt 60  
tttgagaaat tattcagaag ccttggtatt tt 92

<210> 1741  
 <211> 188  
 <212> DNA  
 <213> Homo sapiens

<400> 1741  
 tttcaattct tccaaaaggc tcaaagatcc cacgaagcat atcttcagtt atgttgaagt 60  
 gtaatgagcc cacataaagc ctcataagtc cagcacttcc cttttgtaaa ttgtttgcca 120  
 ttgctgcagc tctgtttttt tctgcctgtg atgctgtac tatgattggc acgcctaaaa 180  
 ctggttgg 188

<210> 1742  
 <211> 285  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(285)  
 <223> n = A,T,C or G

<400> 1742  
 ttnaaaatac tttcaggctc caccaaaaacg tagaactgaa agcatgtatt ttggaagaaa 60  
 gagatacatt ttgtatgctt tcttttcctt ttgtagattc ccagtttatt ttctaagact 120  
 gcaaagatca ctttgtcacc agccctggga cctgagacca aggggggtgc ttgtgggcag 180  
 tgaggggggtg aggagaggct ggcattgaggc tcagtcattc cagtgcagtc caaagagggg 240  
 ccacctgttc tcaaaaagcat gttgggggacc aggaggtaaa actgg 285

<210> 1743  
 <211> 117  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(117)  
 <223> n = A,T,C or G

<400> 1743  
 angatctata gacactttag gcaaaacagg ctcataaagc aattaaaaaa tcaacaattt 60  
 agtaaaaaca ggctacatag tattttgttt ttacgtttca tttgtctatt gatcttt 117

<210> 1744  
 <211> 111  
 <212> DNA  
 <213> Homo sapiens

<400> 1744  
 aaacaatggg ctaaaaataa acagtattaa aagggttaagt ttatataata catatgtaca 60  
 caattagtgg tgttttcttt tcagacaaaa tactgaaaca aatattagtt t 111

<210> 1745  
 <211> 305

<212> DNA  
<213> Homo sapiens

<400> 1745  
ctgccagtag acccccgggc accctgagggc tgggtgggtccc tgctagtcag tgtgggtctc 60  
tcattggaaa aggtggatgc aagatcaagg aaatacgaga ggtacaggg gtcaggtcc 120  
aggtggcagg ggatatgcta cccaactcaa ctgagcgggc catcactatt gctggcattc 180  
cacaatccat cattgagtgt gtcaaacaga tctgcgtggc catgttggag tccccccoga 240  
agggcgcgac catcccgtac cggcccaagc cgtccagctc tccggtcac tttgcagggtg 300  
gtcag 305

<210> 1746  
<211> 319  
<212> DNA  
<213> Homo sapiens

<400> 1746  
aaaataagtg aataagcgat atttattatc tgcaagggtt ttttgtgtgt gtttttgttt 60  
ttattttcaa tatgcaagtt aggtttaatt tttttatcta atgatcatca tgaaatgaat 120  
aagagggctt aagaatttgt ccatttgcac tcggaaaaga atgaccagca aaagggtttac 180  
taatacctct ccctttgggg atttaatgtc tgggtgctgcc gcctgagttt caagaattaa 240  
agctgcaaga ggactccagg agcaaaagaa acacaatata gaggggttga gttgttagca 300  
atttcattca aaatgccaa 319

<210> 1747  
<211> 177  
<212> DNA  
<213> Homo sapiens

<400> 1747  
aaatcctttt ccataaata aaagtacagt tttcttggtg gcagaatgaa aatcagcaac 60  
ttctagcata tagactatat aatcagattg acagcatata gaatatatta tcagacaaga 120  
tgaggaggta caaaagttac tattgctcat aatgacttac aggctaaaat tagtttt 177

<210> 1748  
<211> 237  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(237)  
<223> n = A,T,C or G

<400> 1748  
ctgaaggant gnaantagac tggtnagag aggaaggcac tgagccacat gaaggatatgt 60  
acgtagggtt tgttcagtg aaatagactg gtagagagag gaaggcactg aaccacatga 120  
aggatatgtg gtaggttttg ttcagtggaa atagactggt agagagagga angcattgaa 180  
tcacatgaag gtacgtgtgt aggttttgtt cactgacttc ttcantgtct cagccag 237

<210> 1749  
<211> 244  
<212> DNA  
<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(244)  
 <223> n = A,T,C or G

<400> 1749  
 aaaaggccccc attatctgac aaaatagatg gtgaacatgc actatcccag gatatctatt 60  
 attatccaaa gaagtgtttc tcaaagngtg gtccatggta ctgggccatg aattgggttg 120  
 taccagtcaa tgaagagata aattacttgc atcagagtgt aaatcaatac attgcttttag 180  
 ctattaataa aattttgcta aaaaatcaaa tcctgtcatt gacctaaaaa gtatctctag 240  
 attt 244

<210> 1750  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(289)  
 <223> n = A,T,C or G

<400> 1750  
 aggccagcct ccaccacgca cggcgaaagg agtgaactag ctgggacaca cacacgtgtg 60  
 aatgcatgca agcattcact gcatcttctc cgtggactcc ctaccgctct tccatagccc 120  
 cccctttcag cctcactgtt tctcgtgtga gcctatctgc ttgggcagtc cactcgggag 180  
 ggggtcatgg agccaggact cctctaaat aggaatggaa aggaccctgc agatattttt 240  
 atcctanttg tgaaaacaag gtgcctctga ttctctatat ccatcacag 289

<210> 1751  
 <211> 594  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(594)  
 <223> n = A,T,C or G

<400> 1751  
 ctggttatta atcacaagtc ctggaaatgg tctaatgacc gtgaatttga taaactcggc 60  
 agagtctaag atccttctca tggagctgat ttccaggtag ctgggggctt tgaaggacac 120  
 ccccgggggc atgccatcaa ccaccacaca gccagggtta attgtgattt tcctgtaggg 180  
 aactttcaca ggaaaaccca taccaatagc ttccacaaat ttccgactaa agaggtcatt 240  
 cacttgttct cttagctgtc tagctttttc aactttcgag agtctttcat tatcatcatc 300  
 tggaattgtc acctgaatga tgttaaggtc ttcaacacct gatgcagtag tattaacatt 360  
 ggggtgatgaa tttatttttc tgggagggct cttagaggag gtgctctcct taatcgccgt 420  
 ctcaaacatt tcgggctttt taatgatgaa cttaattttg gctttgtttc tgagtatctt 480  
 ctccagcctc ggaatgcaa aagtcgatgg tcttcggaat ggcacaccct caggtaagcc 540  
 ttccacataa aagtcttncg ggaaaagactc aaataacgag aacggcacct tcac 594

<210> 1752  
 <211> 311



<212> DNA  
<213> Homo sapiens

<400> 1752  
ctgaaggttt catggctccc aaggcttggg ccgtgctgac agaatactac aaatccttgg 60  
agaaagctta ggctgttaac ccagtcactc cacctttgac acattactag taacaagagg 120  
ggaccacata gtctctgttg gcatttcttt gtgggtgtctg tctggacatg cttcctaaaa 180  
acagaccatt ttccttaact tgcacagtt ttgggtctgcc ttatgagttc tgttttgaac 240  
aagtgttaaca cactgatggg tttaatgtat cttttccact tattatagtt atattcctac 300  
aatacaattt t 311

<210> 1753  
<211> 587  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(587)  
<223> n = A,T,C or G

<400> 1753  
ctgtccatta tacaccgtca cgttgatccc tgcctccagc aactcgtcca caatgcta 60  
gactggcttc atgaagtcct cctocatgtt cacaagagc ttggtagcct ggccctcccc 120  
ggattgatcc tcaggaataa ttttgagctt ctttctgatg gggccattca tgagctggct 180  
taaggcatct cgttgtaggt gtctcacgtg gcgctgacaa agacaaacta ggtggctctg 240  
tgtgaattct agactcgact ccattgtaga cgtgggagtg cttttagtta agatgttata 300  
gaagttcacc ccatctgtgt tctgttcaat gatcatttct gctttcccc acagctctgt 360  
ggcctctctg tagagcccct tatttacggc attcagtact tgctctgcaa ccttagacac 420  
ctctgccaga cctttgtctt cgagaagaga catgctgtac aggttaaggc cccaggagag 480  
caccgaatca acaggggaga tccaggaatc acccaaggca acccccgcaa agttgcaact 540  
gatggtccct cncatgaatgg ncttataaag ctctagacca atgccag 587

<210> 1754  
<211> 564  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(564)  
<223> n = A,T,C or G

<400> 1754  
cctctctcct tggcttgacg gtggcacctt ctactatgt cctcacatgg ccttttctct 60  
gtggagaggg acagagagca tgagcaggct ctgggtgtct cttctcttat aaagacacta 120  
atatcaccat attagggtct aaacctatga cctcatttaa ccttaacccc ttaaagggtc 180  
catctccaaa aacagtcaca tagcaggcta ctgcttcaac atatgcattt gggggagggg 240  
acaccattca gttcttaaca ggggtgtcac cgcaaacatg gaaagtcaga gccttctccc 300  
cttcagaatt cccgccccca cccagggatg gggaagagga gcagagaggt atgggaagca 360  
gacacggaga gtggcaggta ccatgctggg gtggctcagg agtgcttcng aggacatatg 420  
gaactggcag ggctcagtg caggaggcgg aggccctggg agagccgtgt cctgagaagg 480  
gcctgggcta caaccctggg caagttactt cacctctgag cctccgatgc tctgtgaaat 540  
ggaaggaatg tgcttgccct tcag 564

<210> 1755  
 <211> 214  
 <212> DNA  
 <213> Homo sapiens

<400> 1755  
 aaatgtgatg ttttgagcat caaaaagcta ctatctaaaa ggattagtct cccagtgttc 60  
 ttggtaaata gggaagggtta ggaaggaggc aatgatccaa tgaatataga agaactggcc 120  
 gattcacagg aaacttgctt tggataaggt gagtcaatgg gtgatattgt gcaggcaggg 180  
 agggaaattt ctttgtacaa attcatgtcc ctgg 214

<210> 1756  
 <211> 225  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(225)  
 <223> n = A,T,C or G

<400> 1756  
 aaaattanna catacatggt caggcagctt ctgtccatan ntaaaactatt ccttttcagt 60  
 ctgagtaata tgcggnnttg tottaatnnc ncacattaan aatttattta gattgggtgaa 120  
 actatcttta taacaaaaaa atncgaacat gaatgcaaac ttaccaaaaca gagcccacta 180  
 nattgatnaa gttaatncca nnatagtttg ccatganctg ggtgg 225

<210> 1757  
 <211> 282  
 <212> DNA  
 <213> Homo sapiens

<400> 1757  
 ttgcagcctg cgatgacaca gcgaatctat gacaagttta tagctcagtt gcagacatct 60  
 atccgggagg aaatctctga catcaaagag gaggggaacc tagaagctgt cttgaatgcc 120  
 ttggataaaa ttgtggaaga aggcaaagtc cgcaaagagc cagcctggcg cccagcgagg 180  
 atccagaga aggatctgca cagtgttatg gcaccctact tcctgcagca acgggacacc 240  
 ctgcggcgcc atgtgcagaa acaggaggcc gagaaccagc ag 282

<210> 1758  
 <211> 473  
 <212> DNA  
 <213> Homo sapiens

<400> 1758  
 ctgaaacagc ttttcaagct ctctctcctc gtcaaggatc atgagaggca ctccactcaa 60  
 ggggaggtgc gcaatctggt gctcttcagg caggfcaaaa ctctcaaagt ctagaggatt 120  
 gaagggaag aatttttcta tttctggata ggcacatct gaggcaggaa cagagctttt 180  
 tgctttaaca gtcttctcag tcatcttttt ggcagaaaag cttggctgtt ttgttttgag 240  
 ggggtcccttg gtctttacag acttttctgt agctctgttg acagttccca aagcctttct 300  
 agtagcttta ggtaaggctg gtggggcatc gaacgttttg ccaaaacgtg gtgttgaaac 360  
 ttgagatctc ccatctaagg ctttgattga aggtccagac cccagcttca gcccatcctt 420  
 agcaaccaca cgggtgcctg gttctccatt ttccttatcg acatagatca gag 473

<210> 1759  
 <211> 187  
 <212> DNA  
 <213> Homo sapiens

<400> 1759  
 aaacttcgcc atgatcgtgt cttctgcact catgatatgg aaaggcttga tcgtgctcac 60  
 aggcagtgag agcccccacg tgggtggtgct gaggggcagt atggagccgg cctttcacag 120  
 aggagacctc ctgttcctca caaatttccg ggaagacca atcagagctg gtgaaatagt 180  
 tgttttt 187

<210> 1760  
 <211> 564  
 <212> DNA  
 <213> Homo sapiens

<400> 1760  
 cctctctcct tggcttgcag gtggcacctt ctactatgt cctcacacgg ccttttctct 60  
 gtggagaggg acagagagca tgagcaggct ctggtgtctc ctcttcttat aaagacacta 120  
 atatcaccat attagggtt aaacctatga cctcatttaa ccttaacccc ttaaagggtcc 180  
 catctccaaa aacagtcaca tagcaggcta ctgcttcaac atatgcattt gggggagggg 240  
 acaccattca gttcttaaca ggggtggtcac cgaaacatg gaaagtcaga gccttctccc 300  
 cttcagaatt cccgccccca cccagggatg gggaagagga gcagagaggt atgggaagca 360  
 gacacggaga gtggcaggta ccatgctggg gtggctcagg agtgcttcgg aggacatatg 420  
 gaactggcag ggctcagtg agggaggcgg agggcctggg agagccgtgt cctgagaagg 480  
 gcctgggcta caaccctggg caagttactt cacctctgag cctccgatgc tctgtgaaat 540  
 ggaaggaatg tgcttgctg tcag 564

<210> 1761  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens

<400> 1761  
 ctgtcttctc atctatctta gcataggagt cctctgctgc cttttcaata ccgtcgtggt 60  
 atttctccaa agcagttttc aagtttagaa atatttcctg ggacttcagt ttctcccttt 120  
 cagcagcatc ttttagttgt tgaattccaa gtttaatttt ttggatttct tgattaattg 180  
 tggttactcg ttcatagaca gcacctcttt tttcttgaac tttattgcaa tcttcaatta 240  
 ctgtgcgttt gtattgctta acatcttcat gottcttatt tattttgaat tgtgctgtgg 300  
 caagtttttc cttcttcaca atcatcagtc ttttgaacga attttcttca gtcttcaatt 360  
 tcttcagttc tgactcatca ctctcaattt ggtcctccaa gttcaggctt ctg 413

<210> 1762  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<400> 1762  
 ggaaaagaaa gagctgaaaa tgcagaaagc cgaagagtta gaacttttgg atacaggaga 60  
 agaaacagcg gctccactac agaccagcc ccaggttcaa tgtcctccga agaataagt 120  
 ctttccctgg tgatgggtcc ctgccctgtc tttccagcat ccactctccc ttgtcctcct 180  
 gggggcatat ctgagtcagg cagcggcttc ctgatgatgg tcgttggggg ggttgtcatg 240  
 tgatgggtcc cctccagggt actaaagggg gcatgtcccc tgcttgaaca ctgaagggca 300



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attttgcagg ttaaaaagat gttgcttaaa tatattcata aacctgttgt aagattttca 180
cttatgcagt ttcagaaaat ttagctgctt aacatatgac agaactgtat tttaacaaat 240
gacattaaaa gtcaggagag ctactcagtt aattgataaa gtagaggcaa cgtgggggag 300
ccctccccac gtttattgaa gatttgtggc tccccagcc ccgtttgcct gcatcaggct 360
aacaacctca ttcctcccat agagcctgg                                     389

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<210> 1767
<211> 176
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(176)
<223> n = A,T,C or G

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<400> 1767
tttttcaacg attaanaatn ntcattacat aactnggtga aactgaaaaa gtatatcata 60
tggttacaca aggtatattg ccagcgtata ttaatatatt agaaaatatt ccttttgtna 120
tactnaatat cancatagag cnagaatcat attatcatatc ttatnatant gttcan      176

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<210> 1768
<211> 384
<212> DNA
<213> Homo sapiens

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<400> 1768
aaaagaaaatc atggtacttc ttagagcaat ttgcaaaagg ggaaaaaagt cttaggctca 60
ctccttggaataaaatatca agtaaccata aaaatattca gccatttttc agttattcgg 120
ggagttcagg catggtccca cgcagagcat cagagttcct ctttgaaata acccagcttt 180
gccaatgaca tctcttttct caactgcata acctcccaaa acatctgata aacatcctgc 240
tgtttcacaa gtccctgctg aatgtatcga atgtatgtaa aaaagttaca tacagaagtg 300
atcctgtatc tgcaaaaagg agaaatacaa taatagttgc ttgagtcgcc taatttaatt 360
ctgtgtttac aggacttact ctgg                                     384

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<210> 1769
<211> 111
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(111)
<223> n = A,T,C or G

```

```

<400> 1769
aaatataaaa aattaaaagt taaaactcta gcccttcagt gaaggagacg taaaatggcg 60
tgggtaacaa caactaccaa aaaaaaaaaa naaaaaaaaa aaaaaaaaaa a          111

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<210> 1770
<211> 225
<212> DNA
<213> Homo sapiens

```

<400> 1770  
 ctggctgaag gggccgtgga gctcccgcca gccacgatt agctgggcct tcttcggggc 60  
 aatgcgctga agactgcgga gatctcgggc tgagccttcg ttcagcagat ccagtatttt 120  
 ttggcgccca tgagccagta gctccgggct gatctgtagc tccagcagat cctcagcctt 180  
 ctctcagggc tctagggcat ccagggactc cagctttctc ttccg 225

<210> 1771  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(223)  
 <223> n = A,T,C or G

<400> 1771  
 ggccaagtaa aagcttttatt tttttaaatg aaaactacna aaggcgggggt gggttgtggc 60  
 gggggcaagt tgtggccctg taggaccttc ggtgactgat gatctaagtt tccggagggt 120  
 tctcagagcc tctctgggtc tttcaatcgg ggatgtctga gggaccttcc gcggcatcta 180  
 tgcgggcatg gttactgcct ctgggtgccc ccgcagccgc gcg 223

<210> 1772  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<400> 1772  
 ccaagtctac aatgtcccaa tatcaaggac aaccacccta gcttcttagt gaagacaatg 60  
 tacagttatc cattagatca agactacaag gtctatgagc aataatgtga tttctggaca 120  
 ttgcccatgt ataatcctca ctgatgattt caagctaaag caaaccacct tatacagaga 180  
 tctagaatct ctttatgttc tccagaggaa ggtggaagaa accatgggca ggagtaggaa 240  
 ttgagtata aacaattggg ctaatgaaga aaacttctct tattgttcag ttcattccaga 300  
 ttataacttc aatgggacac tttagaccat tagacaattg aactggatt aaacaaattc 360  
 acataatgcc aaatacacaa tgtatttata gcaacgtata atttgcaaag atggacttt 419

<210> 1773  
 <211> 172  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(172)  
 <223> n = A,T,C or G

<400> 1773  
 cgngcggctg cggggggcac cagaggcagt ataccatgcc cncatagatg ccgcggaagg 60  
 tccctnanac atcccnatt gaaanaacca ttagaggctc tganaaacct acggaaactt 120  
 agatcatcag gtcaccgaan agtcctacag ggccacaaca tgccccctgc ac 172

<210> 1774  
 <211> 525  
 <212> DNA

<213> Homo sapiens

<400> 1774

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ccttcactct cccctgaggc tgtcctggcc cggactgtgg ggagcacctc cccccccgg 60
agcaggtgca caccaggtta agcaggtcca ggggctgggg tgggcagggc tagcttttgg 120
atcctgagtg tcaactactct ctctcccag ggatgccctg gacctaatg acatcaactc 180
agagcctcct cggggctcct tcccctcctt tgagcctcgg aacctcctca gcctgtttga 240
ggacacccta gacccaacct gagccccaga ctctgcctct gcacttttaa ccttttatcc 300
tgtgtctctc ccgtcgccct tgaaaagctgg ggccccctgg gaactcccat ggtcttctct 360
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gcaacatggc ccttcctggg ccttttattg atgtcatcca gggctctaac gccctgagg 480
ctgagccctg ctgcagaacc cacgctcctg gccttggggc agcag 525
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<210> 1775

<211> 458

<212> DNA

<213> Homo sapiens

<400> 1775

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gatgtttttt cccattcttt tgctttttct tttggctgac ctgtttctcc cactttttta 240
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tagcaatgat ttcaattttc tcgcaggaag ggcttggggc aaattgttta aggtctttca 360
aggattgtag gtggatagtc ccttggttgg tgctgatgca ggaacagcga ccctttctca 420
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<210> 1776

<211> 461

<212> DNA

<213> Homo sapiens

<400> 1776

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aaaataaaat aataatttca aagaattaca taaatacagg gccttttgag atttttggca 360
attgtaaaca aaaacgaatg gtttttacaa ttcagtgtaa ttctacgaat atttatttgg 420
cacccatgtt aggcactgag gctacacagc agtgaaatag g 461
```

<210> 1777

<211> 368

<212> DNA

<213> Homo sapiens

<400> 1777

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tgtggtgtat atagtgcagc tttggagggt gaactctatt ttcacacttt tctatggagc 120
cttccgagtc ccaggttttc acttgaggct gtctgtctgg atggcggttt tcagacctcc 180
attaacatcc ctaccagca ttctgtactt cgggggacct ctctcttggt ataaaacttt 240
ttaccaagtg aaacatcgat accacctttg tttccattct cactggtgta aatactgagt 300
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actaactgag aattttgact ttgcattctg tcggaatact tgtgttcaat aaaaattgaa 360  
agaaaaaa 368

<210> 1778  
<211> 554  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(554)  
<223> n = A,T,C or G

<400> 1778  
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gccctgaaat cttcccgatc gttaataact cctcaggtcc ctgcctgcac agggtttttt 120  
cttagtttgt tgcctaagag tacaccaaata gtgacatcct ttcaccaata tagattactt 180  
cataccacat tgtcaaggaa aggactagaa naattttttg atgacccaaa aaactggggg 240  
caagaaaaag taaaatctgg agcagcatgg aacctgtcagc aactaaggaa caaaagtaat 300  
gaagatttac acaaaactttg gtatgtctta ctgaaagaaa gaaacatgct tctaacccta 360  
gagcaggagg ccaagcggca gagattgcca atgccaagtc cagagcgggt agatangta 420  
gtagattcca tggatgcatt agataaagtg gtccaggga agagaagatg ccctaaggct 480  
tcttcagact ggtcaagana gagctagacc tgggtgctntg gagaaagaag acatcttttg 540  
aaagaatcat ctgg 554

<210> 1779  
<211> 379  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(379)  
<223> n = A,T,C or G

<400> 1779  
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gatgccatgg agactggaag accattccaa ctgggacgcg ttaccatgag agcatatcct 180  
atccaaccgt actaacgtgg acaccctaca cctcccctca gaacttcaaa agggcaagat 240  
cttttttctc tcaattattg ctgagaccaa gagcacaatt cccattgaga gaaagatctc 300  
tgtgctgtaa actaaaacaa attgtgcatt ccttccgggg ccatcgtctt tgtcttcttt 360  
tttgtcttga atgaattnt 379

<210> 1780  
<211> 222  
<212> DNA  
<213> Homo sapiens

<400> 1780  
ctggtaattg cagaatccac tttgcctgtg taagtgaata atatagactg ttatcttgtt 60  
ggccctatga aattctgcac ttttcattat atactctacc ttcattaatt acttctggca 120  
agatgttctg ccttagcaat cagttgcatt cttttccttt ttcttctgtg tcattatgct 180  
ttaattctga ggaccatat agggtagaat atattatctt tt 222



<210> 1781  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens

<400> 1781  
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 gacaaggcta cggtagcaat aataaagctc acagatcagg agactgaagt gaaagttgac 120  
 atcagcttta acatggagac gggcgtccgg gcagcggagt tcatcaagaa ttacatgaag 180  
 aaatattcat tgctgcctta cttgatttta gtattgaaac agttccttct gcagagggac 240  
 ctgaatgaag tttttacagg tggaattagc tcatacagcc taattttaat gg 292

<210> 1782  
 <211> 381  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(381)  
 <223> n = A,T,C or G

<400> 1782  
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 aggtatatgt tntataattc ataaccatag cctcgatcat caagaaatac tttcgaaatt 180  
 tcattttcct tcagaatatc ttaagagtgc taaattttta actgcctttt tgtcgagtca 240  
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 ggaggggtgt tgtatggctg agcaagagag agagagaatg agagagagac tgtgtgtgtg 360  
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<210> 1783  
 <211> 127  
 <212> DNA  
 <213> Homo sapiens

<400> 1783  
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 ggccag 127

<210> 1784  
 <211> 259  
 <212> DNA  
 <213> Homo sapiens

<400> 1784  
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 ctcattatca gaaattaaag aaatttctga ataaattggc agaagaacgc agacagaaga 180  
 aggaaactta agatgtgcaa ggagatttaa tgatttcaaa gaaaataatg gttctttgtt 240  
 tttaatgtta acctttttt 259

<210> 1785  
 <211> 400  
 <212> DNA  
 <213> Homo sapiens

<400> 1785  
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 acatcagtta atatgggatt attaaatatt ggctataaaa 400

<210> 1786  
 <211> 372  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(372)  
 <223> n = A,T,C or G

<400> 1786  
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 atacagattt gagaaatgat gctaaattta tagttttcag taacttaaaa agctaacatg 180  
 agagcatgcc aaaatttgct aagtcttaca aagatcaagg gctgtccgca acagggaana 240  
 acagttttga aaatttatga actatcttat ttttaggtag gttttgaaag ctttttgtct 300  
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 gagtctgagt tt 372

<210> 1787  
 <211> 86  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(86)  
 <223> n = A,T,C or G

<400> 1787  
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 gtcaacattc agccatttat ccttat 86

<210> 1788  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 1788  
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tggtcagggg gaggatgggt agggaggggt ggtgaggggc tcagaggaat acttggaaca 300
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<210> 1789
<211> 651
<212> DNA
<213> Homo sapiens

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<400> 1789
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ccatattgta aaagaaaaaa gtaaaactaa aaattttctg attattaatt gacttgaat 360
tcattcccat taaaacataa aactatagcc aatatccatt tgaaaagtga agaaaaactg 420
gaagtcccca tgataaatac accaattcca aataaaaaat taaaatcaaa ttttgctatt 480
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atagagcatg tatttggtac ttctgtttag actcagggtt tgcaaagtcc ccaagagaag 600
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<210> 1790
<211> 388
<212> DNA
<213> Homo sapiens

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<400> 1790
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toggaaaaac acacataaat tcaggtaaga ctaaaagctg tctcacaaaa agaaaaaaga 180
aatccaatgg atccactaat gctatcaaaa gggacatgca ggaatgtaac atgacatttt 240
tagaaatgtg tgtttctaaa aagaaaaaaa aatacactaa aatgccagtg gactataatt 300
cattcaaaac atcttttagt ttccttccca aagatcttga tctgctcagt aattgcttca 360
caagatctat cacagccatc ttttgag 388

```

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<210> 1791
<211> 2442
<212> DNA
<213> Homo sapiens

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<400> 1791
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gtggaggcag aaccccgaga tatcgaagat gaagcaaaag aacaaattca gtcccttctc 360
catgaaatgg tacacgcaga acatgttgag ggagaagact tgcaacaaga agatggaccc 420

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acaggagaac cacaacaaga ggatgatgag tttcttatgg cgactgatgt agatgataga 480
tttgagaccc tggaaacttga agtatctcat gaagaaaccg agcatagtta ccacgtggaa 540
gagacagttt cacaagactg taatcaggat atggaagaga tgatgtctga gcaggaaaat 600
ccagattcca gtgaaccagt agtagaagat gaaagattgc accatgatac agatgatgta 660
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&lt;210&gt; 1792

&lt;211&gt; 2279

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1792

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<210> 1793

<211> 1904

<212> DNA

<213> Homo sapiens

<400> 1793

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 gagcatacag actatgtgat tgtataaggc atggagagtt aaacaacctc cagtcagctg 180  
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&lt;211&gt; 1635

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1798

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<212> DNA

<213> Homo sapiens

<400> 1799

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<400> 1801

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&lt;210&gt; 1805

&lt;211&gt; 791

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1805

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<212> PRT

<213> Homo sapiens

<400> 1806

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Asp Ala Asp Gly Asp Gly Asp Phe Asp Val Asp Asp Ala Lys Val Leu  
                     35                    40                    45

Leu Gly Leu Lys Glu Arg Ser Thr Ser Glu Pro Ala Val Pro Pro Glu  
                     50                    55                    60

Glu Ala Glu Pro His Thr Glu Pro Glu Glu Gln Val Pro Val Glu Ala  
                     65                    70                    75                    80

Glu Pro Gln Asn Ile Glu Asp Glu Ala Lys Glu Gln Ile Gln Ser Leu  
                     85                    90                    95

Leu His Glu Met Val His Ala Glu His Val Glu Gly Glu Asp Leu Gln  
                     100                    105                    110

Gln Glu Asp Gly Pro Thr Gly Glu Pro Gln Gln Glu Asp Asp Glu Phe  
                     115                    120                    125

Leu Met Ala Thr Asp Val Asp Asp Arg Phe Glu Thr Leu Glu Leu Glu  
                     130                    135                    140

Val Ser His Glu Glu Thr Glu His Ser Tyr His Val Glu Glu Thr Val  
                     145                    150                    155                    160

Ser Gln Asp Cys Asn Gln Asp Met Glu Glu Met Met Ser Glu Gln Glu  
                     165                    170                    175

Asn Pro Asp Ser Ser Glu Pro Val Val Glu Asp Glu Arg Leu His His  
                     180                    185                    190

Asp Thr Asp Asp Val Thr Tyr Gln Val Tyr Glu Glu Gln Ala Val Tyr  
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Glu Pro Leu Glu Asn Glu Gly Ile Glu Ile Thr Glu Val Thr Val Pro

054966-0501

210				215				220							
Pro 225	Glu	Asp	Asn	Pro	Val 230	Glu	Asp	Ser	Gln	Val 235	Ile	Val	Glu	Glu	Val 240
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Lys 65	Ala	Asp	Ala	Glu	Asn 70	Leu	Ile	Tyr	Thr	Ala 75	Asp	Pro	Glu	Ser	Phe 80
Glu	Val	Asn	Thr	Lys 85	Asp	Met	Asp	Ser	Thr 90	Leu	Ser	Arg	Ala	Ser 95	Arg
Ala	Ile	Lys	Lys 100	Thr	Ser	Lys	Lys	Val 105	Thr	Arg	Ala	Phe	Ser 110	Phe	Ser
Lys	Thr 115	Pro	Lys	Arg	Ala	Leu	Arg 120	Arg	Ala	Leu	Met	Thr 125	Ser	His	Gly
Ser 130	Val	Glu	Gly	Arg	Ser	Pro 135	Ser	Ser	Asn	Asp	Lys 140	His	Val	Met	Ser
Arg 145	Leu	Ser	Ser	Thr	Ser 150	Ser	Leu	Ala	Ile	Thr 155	His	Ser	Val	Ser	Thr 160
Ser	Asn	Val	Ile	Gly 165	Phe	Thr	Lys	His	Val 170	Tyr	Val	Gln	Arg	Leu 175	Asn
Ser	Thr	Gly 180	Gly	Arg	Ser	Gln	Tyr	Ser 185	Trp	Phe	Gln	Ser	Val 190	Arg	His
Ser	Ala 195	Phe	Arg	Ala	Ser	Phe	Ser 200	Glu	Ile	Leu	Glu	Gly 205	Asn	Thr	Asp

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Lys Asn  
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<210> 1808  
 <211> 52  
 <212> PRT  
 <213> Homo sapiens

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 Thr Tyr Phe Tyr Leu Asp Glu Gly Ser Gly Arg Val Glu Gln Lys Gln  
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 Ala Ile Thr Ala Ile Ser Ser Ser Phe Thr Gly Asp Cys Pro Leu Ile  
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 Ala Asn Val Glu  
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<210> 1809  
 <211> 592  
 <212> PRT  
 <213> Homo sapiens

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 Thr Asn Gly Arg Leu Met Ala Asn Pro Glu Ala Leu Lys Ile Leu Ser  
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 Ala Ile Thr Gln Pro Met Val Val Val Ala Ile Val Gly Leu Tyr Arg  
 35 40 45  
 Thr Gly Lys Ser Tyr Leu Met Asn Lys Leu Ala Gly Lys Lys Lys Gly  
 50 55 60  
 Phe Ser Leu Gly Ser Thr Val Gln Ser His Thr Lys Gly Ile Trp Met  
 65 70 75 80  
 Trp Cys Val Pro His Pro Lys Lys Pro Gly His Ile Leu Val Leu Leu  
 85 90 95  
 Asp Thr Glu Gly Leu Gly Asp Val Glu Lys Gly Asp Asn Gln Asn Asp  
 100 105 110  
 Ser Trp Ile Phe Ala Leu Ala Val Leu Leu Ser Ser Thr Phe Val Tyr

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Asn Ser Ile Gly Thr Ile Asn Gln Gln Ala Met Asp Gln Leu Tyr Tyr		
130	135	140
Val Thr Glu Leu Thr His Arg Ile Arg Ser Lys Ser Ser Pro Asp Glu		
145	150	155
Asn Glu Asn Glu Val Glu Asp Ser Ala Asp Phe Val Ser Phe Phe Pro		
165	170	175
Asp Phe Val Trp Thr Leu Arg Asp Phe Ser Leu Asp Leu Glu Ala Asp		
180	185	190
Gly Gln Pro Leu Thr Pro Asp Glu Tyr Leu Thr Tyr Ser Leu Lys Leu		
195	200	205
Lys Lys Gly Thr Ser Gln Lys Asp Glu Thr Phe Asn Leu Pro Arg Leu		
210	215	220
Cys Ile Arg Lys Phe Phe Pro Lys Lys Lys Cys Phe Val Phe Asp Arg		
225	230	235
Pro Val His Arg Arg Lys Leu Ala Gln Leu Glu Lys Leu Gln Asp Glu		
245	250	255
Glu Leu Asp Pro Glu Phe Val Gln Gln Val Ala Asp Phe Cys Ser Tyr		
260	265	270
Ile Phe Ser Asn Ser Lys Thr Lys Thr Leu Ser Gly Gly Ile Gln Val		
275	280	285
Asn Gly Pro Arg Leu Glu Ser Leu Val Leu Thr Tyr Val Asn Ala Ile		
290	295	300
Ser Ser Gly Asp Leu Pro Cys Met Glu Asn Ala Val Leu Ala Leu Ala		
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Gln Ile Glu Asn Ser Ala Ala Val Gln Lys Ala Ile Ala His Tyr Glu		
325	330	335
Gln Gln Met Gly Gln Lys Val Gln Leu Pro Thr Glu Ser Leu Gln Glu		
340	345	350
Leu Leu Asp Leu His Arg Asp Ser Glu Arg Glu Ala Ile Glu Val Phe		
355	360	365
Ile Arg Ser Ser Phe Lys Asp Val Asp His Leu Phe Gln Lys Glu Leu		
370	375	380
Ala Ala Gln Leu Glu Lys Lys Arg Asp Asp Phe Cys Lys Gln Asn Gln		
385	390	395
Glu Ala Ser Ser Asp Arg Cys Ser Gly Leu Leu Gln Val Ile Phe Ser		



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 Glu Glu Pro Arg Lys Gly Ile Gln Ala Glu Glu Ile Leu Gln Thr Tyr  
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 Leu Lys Ser Lys Glu Ser Met Thr Asp Ala Ile Leu Gln Thr Asp Gln  
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 Glu Ser Ala Gln Ala Ser Ala Lys Met Leu Gln Glu Met Gln Arg Lys  
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 Glu Gln Glu Arg Thr Leu Ala Leu Lys Leu Gln Glu Gln Glu Gln Leu  
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<210> 1810

<211> 57

<212> PRT

<213> Homo sapiens

<400> 1810

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Asp Gly Gly Arg Arg Val Asp Thr Gly Gly Arg Leu Arg Asp Thr Val  
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Thr Leu Arg Ser Leu Gln Ile Glu Val  
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<210> 1811  
 <211> 148  
 <212> PRT  
 <213> Homo sapiens

<400> 1811  
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                   20                  25                  30  
 Val Leu Thr Lys Met Tyr Pro Arg Gly Asn His Trp Ala Val Gly His  
                   35                  40                  45  
 Leu Met Gly Lys Lys Ser Thr Gly Glu Ser Ser Ser Val Ser Glu Arg  
                   50                  55                  60  
 Gly Ser Leu Lys Gln Gln Leu Arg Glu Tyr Ile Arg Trp Glu Glu Ala  
                   65                  70                  75                  80  
 Ala Arg Asn Leu Leu Gly Leu Ile Glu Ala Lys Glu Asn Arg Asn His  
                   85                  90                  95  
 Gln Pro Pro Gln Pro Lys Ala Leu Gly Asn Gln Gln Pro Ser Trp Asp  
                   100                  105                  110  
 Ser Glu Asp Ser Ser Asn Phe Lys Asp Val Gly Ser Lys Gly Lys Val  
                   115                  120                  125  
 Gly Arg Leu Ser Ala Pro Gly Ser Gln Arg Glu Gly Arg Asn Pro Gln  
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 Leu Asn Gln Gln  
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<210> 1812  
 <211> 474  
 <212> PRT  
 <213> Homo sapiens

<400> 1812  
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                   20                  25                  30  
 Ser Pro Thr Pro Gly Ser Thr Ala Ser Thr Gly Gly Lys Ala Asp Asp  
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 Pro Ser Trp Cys Lys Thr Pro Ser Gly His Ile Lys Arg Pro Met Asn

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Glu	Arg	Leu 115	Arg	Leu	Lys	His	Met 120	Ala	Asp	Tyr	Pro	Asp 125	Tyr	Lys	Tyr
Arg 130	Pro	Arg	Lys	Lys	Val	Lys 135	Ser	Gly	Asn	Ala	Asn 140	Ser	Ser	Ser	Ser
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Ser	Gly	Gly	Gly	Gly 165	His	Gly	Gly	Gly	Gly 170	Gly	Gly	Gly	Ser	Ser 175	Asn
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Ser 305	Ser	Ser	Pro	Val	Gly 310	Gly	Val	Gly	Ala	Gly 315	Ala	Asp	Pro	Ser	Asp 320
Pro	Leu	Gly	Leu	Tyr 325	Glu	Glu	Glu	Gly	Ala 330	Gly	Cys	Ser	Pro	Asp 335	Ala
Pro	Ser	Leu	Ser	Gly	Arg	Ser	Ser	Ala	Ala	Ser	Ser	Pro	Ala	Ala	Gly



Ser Leu Pro Gln Gln Gln Pro Ala Ala Val Ala Arg Arg Asn Glu Arg  
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Glu Arg Asn Arg Val Lys Leu Val Asn Leu Gly Phe Ala Thr Leu Arg  
130 135 140

Glu His Val Pro Asn Gly Ala Ala Asn Lys Lys Met Ser Lys Val Glu  
145 150 155 160

Thr Leu Arg Ser Ala Val Glu Tyr Ile Arg Ala Leu Gln Gln Leu Leu  
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Asp Glu His Asp Ala Val Ser Ala Ala Phe Gln Ala Gly Val Leu Ser  
180 185 190

Pro Thr Ile Ser Pro Asn Tyr Ser Asn Asp Leu Asn Ser Met Ala Gly  
195 200 205

Ser Pro Val Ser Ser Tyr Ser Ser Asp Glu Gly Ser Tyr Asp Pro Leu  
210 215 220

Ser Pro Glu Glu Gln Glu Leu Leu Asp Phe Thr Asn Trp Phe  
225 230 235

<210> 1814

<211> 68

<212> PRT

<213> Homo sapiens

<400> 1814

Met Val Tyr Tyr Pro Glu Leu Phe Val Trp Val Ser Gln Glu Pro Phe  
5 10 15

Pro Asn Lys Asp Met Glu Gly Arg Leu Pro Lys Gly Arg Leu Pro Val  
20 25 30

Pro Lys Glu Val Asn Arg Lys Lys Asn Asp Glu Thr Asn Ala Ala Ser  
35 40 45

Leu Thr Pro Leu Gly Ser Ser Glu Leu Arg Ser Pro Arg Ile Ser Tyr  
50 55 60

Leu His Phe Phe  
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<210> 1815

<211> 572

<212> PRT

<213> Homo sapiens

<400> 1815

Met Ser Tyr Gln Gly Lys Lys Ser Ile Pro His Ile Thr Ser Asp Arg



290                      295                      300  
 Pro Pro Leu Ser Pro Asp Pro Thr Thr Pro Asp Tyr Leu Thr Ser Leu  
 305                      310                      315                      320  
 Leu Ala Cys Gly Asp Leu Gln Val Thr Gly Ser Gly His Cys Pro Tyr  
                          325                      330                      335  
 Ser Thr Ala Gln Lys Ala Val Gly Lys Asp Asn Phe Thr Leu Ile Pro  
                          340                      345                      350  
 Glu Gly Val Asn Gly Ile Glu Glu Arg Met Thr Val Val Trp Asp Lys  
                          355                      360                      365  
 Ala Val Ala Thr Gly Lys Met Asp Glu Asn Gln Phe Val Ala Val Thr  
                          370                      375                      380  
 Ser Thr Asn Ala Ala Lys Ile Phe Asn Leu Tyr Pro Arg Lys Gly Arg  
 385                      390                      395                      400  
 Ile Ala Val Gly Ser Asp Ala Asp Val Val Ile Trp Asp Pro Asp Lys  
                          405                      410                      415  
 Leu Lys Thr Ile Thr Ala Lys Ser His Lys Ser Ala Val Glu Tyr Asn  
                          420                      425                      430  
 Ile Phe Glu Gly Met Glu Cys His Gly Ser Pro Leu Val Val Ile Ser  
                          435                      440                      445  
 Gln Gly Lys Ile Val Phe Glu Asp Gly Asn Ile Asn Val Asn Lys Gly  
                          450                      455                      460  
 Met Gly Arg Phe Ile Pro Arg Lys Ala Phe Pro Glu His Leu Tyr Gln  
 465                      470                      475                      480  
 Arg Val Lys Ile Arg Asn Lys Val Phe Gly Leu Gln Gly Val Ser Arg  
                          485                      490                      495  
 Gly Met Tyr Asp Gly Pro Val Tyr Glu Val Pro Ala Thr Pro Lys Tyr  
                          500                      505                      510  
 Ala Thr Pro Ala Pro Ser Ala Lys Ser Ser Pro Ser Lys His Gln Pro  
                          515                      520                      525  
 Pro Pro Ile Arg Asn Leu His Gln Ser Asn Phe Ser Leu Ser Gly Ala  
                          530                      535                      540  
 Gln Ile Asp Asp Asn Asn Pro Arg Arg Thr Gly His Arg Ile Val Ala  
 545                      550                      555                      560  
 Pro Pro Gly Gly Arg Ser Asn Ile Thr Ser Leu Gly  
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<210> 1816
<211> 325
<212> PRT
<213> Homo sapiens
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<400>	1816														
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Arg	Glu	Lys	Val	Met	Lys	Gln	Ser	Glu	Glu	Asn	Asn	Asn	Leu	Gln	Ser
			20					25					30		
Gln	Val	Gln	Lys	Leu	Thr	Glu	Glu	Asn	Thr	Thr	Leu	Arg	Glu	Gln	Val
		35					40					45			
Glu	Pro	Thr	Pro	Glu	Asp	Glu	Asp	Asp	Asp	Ile	Glu	Leu	Arg	Gly	Ala
	50					55					60				
Ala	Ala	Ala	Ala	Ala	Pro	Pro	Pro	Pro	Ile	Glu	Glu	Glu	Cys	Pro	Glu
65					70					75					80
Asp	Leu	Pro	Glu	Lys	Phe	Asp	Gly	Asn	Pro	Asp	Met	Leu	Ala	Pro	Phe
				85				90						95	
Met	Ala	Gln	Cys	Gln	Ile	Phe	Met	Glu	Lys	Ser	Thr	Arg	Asp	Phe	Ser
			100					105					110		
Val	Asp	Arg	Val	Arg	Val	Cys	Phe	Val	Thr	Ser	Met	Met	Thr	Gly	Arg
		115					120					125			
Ala	Ala	Arg	Trp	Ala	Ser	Ala	Lys	Leu	Glu	Arg	Ser	His	Tyr	Leu	Met
						135					140				
His	Asn	Tyr	Pro	Ala	Phe	Met	Met	Glu	Met	Lys	His	Val	Phe	Glu	Asp
145					150					155					160
Pro	Gln	Arg	Arg	Glu	Val	Ala	Lys	Arg	Lys	Ile	Arg	Arg	Leu	Arg	Gln
				165					170					175	
Gly	Met	Gly	Ser	Val	Ile	Asp	Tyr	Ser	Asn	Ala	Phe	Gln	Met	Ile	Ala
			180					185					190		
Gln	Asp	Leu	Asp	Trp	Asn	Glu	Pro	Ala	Leu	Ile	Asp	Gln	Tyr	His	Glu
		195					200					205			
Gly	Leu	Ser	Asp	His	Ile	Gln	Glu	Glu	Leu	Ser	His	Leu	Glu	Val	Ala
	210					215					220				
Lys	Ser	Leu	Ser	Ala	Leu	Ile	Gly	Gln	Cys	Ile	His	Ile	Glu	Arg	Arg
225					230					235					240
Leu	Ala	Arg	Ala	Ala	Ala	Ala	Arg	Lys	Pro	Arg	Ser	Pro	Pro	Arg	Ala
				245					250					255	



Leu Val Leu Pro His Ile Ala Ser His His Gln Val Asp Pro Thr Glu  
260 265 270

Pro Val Gly Gly Ala Arg Met Arg Leu Thr Gln Glu Glu Lys Glu Arg  
275 280 285

Arg Arg Lys Leu Asn Leu Cys Leu Tyr Cys Gly Thr Gly Gly His Tyr  
290 295 300

Ala Asp Asn Cys Pro Ala Lys Ala Ser Lys Ser Ser Pro Ala Gly Asn  
305 310 315 320

Ser Pro Ala Pro Leu  
325

<210> 1817

<211> 357

<212> PRT

<213> Homo sapiens

<400> 1817

Met Leu Gln Ile His Leu Pro Gly Arg His Thr Leu Phe Val Arg Ala  
5 10 15

Met Ile Asp Ser Gly Ala Ser Gly Asn Phe Ile Asp His Glu Tyr Val  
20 25 30

Ala Gln Asn Gly Ile Pro Leu Arg Ile Lys Asp Trp Pro Ile Leu Val  
35 40 45

Glu Ala Ile Asp Gly Arg Pro Ile Ala Ser Gly Pro Val Val His Glu  
50 55 60

Thr His Asp Leu Ile Val Asp Leu Gly Asp His Arg Glu Val Leu Ser  
65 70 75 80

Phe Asp Val Thr Gln Ser Pro Phe Phe Pro Val Val Leu Gly Val Arg  
85 90 95

Trp Leu Ser Thr His Asp Pro Asn Ile Thr Trp Ser Thr Arg Ser Ile  
100 105 110

Val Phe Asp Ser Glu Tyr Cys Arg Tyr His Cys Arg Met Tyr Ser Pro  
115 120 125

Ile Pro Pro Ser Leu Pro Pro Pro Ala Pro Gln Pro Pro Leu Tyr Tyr  
130 135 140

Pro Val Asp Gly Tyr Arg Val Tyr Gln Pro Val Arg Tyr Tyr Tyr Val  
145 150 155 160

Gln Asn Val Tyr Thr Pro Val Asp Glu His Val Tyr Pro Asp His Arg  
165 170 175



50

55

60

Trp Trp Tyr Trp Arg Ile His Pro Ala Val Val Ala Ala Val Phe Arg  
 65 70 75 80

Ile Lys Asp Asp Arg Ser Ser Ala Pro Cys Asp Ile Gly Ile Met Cys  
 85 90 95

Ala Gln Pro Ala Asn Pro  
 100

&lt;210&gt; 1819

&lt;211&gt; 831

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1819

Met Glu Arg Ala Gly Ala Thr Ser Arg Gly Gly Gln Ala Pro Gly Phe  
 5 10 15

Leu Leu Arg Leu His Thr Glu Gly Arg Ala Glu Ala Ala Arg Val Gln  
 20 25 30

Glu Gln Asp Leu Arg Gln Trp Gly Leu Thr Gly Ile His Leu Arg Ser  
 35 40 45

Tyr Gln Leu Glu Gly Val Asn Trp Leu Ala Gln Arg Phe His Cys Gln  
 50 55 60

Asn Gly Cys Ile Leu Gly Asp Glu Met Gly Leu Gly Lys Thr Cys Gln  
 65 70 75 80

Thr Ile Ala Leu Phe Ile Tyr Leu Ala Gly Arg Leu Asn Asp Glu Gly  
 85 90 95

Pro Phe Leu Ile Leu Cys Pro Leu Ser Val Leu Ser Asn Trp Lys Glu  
 100 105 110

Glu Met Gln Arg Phe Ala Pro Gly Leu Ser Cys Val Thr Tyr Ala Gly  
 115 120 125

Asp Lys Glu Glu Arg Ala Cys Leu Gln Gln Asp Leu Lys Gln Glu Ser  
 130 135 140

Arg Phe His Val Leu Leu Thr Thr Tyr Glu Ile Cys Leu Lys Asp Ala  
 145 150 155 160

Ser Phe Leu Lys Ser Phe Pro Trp Ser Val Leu Val Val Asp Glu Ala  
 165 170 175

His Arg Leu Lys Asn Gln Ser Ser Leu Leu His Lys Thr Leu Ser Glu  
 180 185 190

1819 831 PRT Homo sapiens

Phe	Ser	Val	Val	Phe	Ser	Leu	Leu	Leu	Thr	Gly	Thr	Pro	Ile	Gln	Asn
		195					200					205			
Ser	Leu	Gln	Glu	Leu	Tyr	Ser	Leu	Leu	Ser	Phe	Val	Glu	Pro	Asp	Leu
	210					215					220				
Phe	Ser	Lys	Glu	Glu	Val	Gly	Asp	Phe	Ile	Gln	Arg	Tyr	Gln	Asp	Ile
225					230					235					240
Glu	Lys	Glu	Ser	Glu	Ser	Ala	Ser	Glu	Leu	His	Lys	Leu	Leu	Gln	Pro
				245					250					255	
Phe	Leu	Leu	Arg	Arg	Val	Lys	Ala	Glu	Val	Ala	Thr	Glu	Leu	Pro	Lys
			260					265					270		
Lys	Thr	Glu	Val	Val	Ile	Tyr	His	Gly	Met	Ser	Ala	Leu	Gln	Lys	Lys
		275					280					285			
Tyr	Tyr	Lys	Ala	Ile	Leu	Met	Lys	Asp	Leu	Asp	Ala	Phe	Glu	Asn	Glu
	290					295					300				
Thr	Ala	Lys	Lys	Val	Lys	Leu	Gln	Asn	Ile	Leu	Ser	Gln	Leu	Arg	Lys
305					310					315					320
Cys	Val	Asp	His	Pro	Tyr	Leu	Phe	Asp	Gly	Val	Glu	Pro	Glu	Pro	Phe
				325					330					335	
Glu	Val	Gly	Asp	His	Leu	Thr	Glu	Ala	Ser	Gly	Lys	Leu	His	Leu	Leu
			340					345					350		
Asp	Lys	Leu	Leu	Ala	Phe	Leu	Tyr	Ser	Gly	Gly	His	Arg	Val	Leu	Leu
		355					360					365			
Phe	Ser	Gln	Met	Thr	Gln	Met	Leu	Asp	Ile	Leu	Gln	Asp	Tyr	Met	Asp
	370					375					380				
Tyr	Arg	Gly	Tyr	Ser	Tyr	Glu	Arg	Val	Asp	Gly	Ser	Val	Arg	Gly	Glu
385					390					395					400
Glu	Arg	His	Leu	Ala	Ile	Lys	Asn	Phe	Gly	Gln	Gln	Pro	Ile	Phe	Val
				405					410					415	
Phe	Leu	Leu	Ser	Thr	Arg	Ala	Gly	Gly	Val	Gly	Met	Asn	Leu	Thr	Ala
			420					425					430		
Ala	Asp	Thr	Val	Ile	Phe	Val	Asp	Ser	Asp	Phe	Asn	Pro	Gln	Asn	Asp
		435					440					445			
Leu	Gln	Ala	Ala	Ala	Arg	Ala	His	Arg	Ile	Gly	Gln	Asn	Lys	Ser	Val
	450					455					460				
Lys	Val	Ile	Arg	Leu	Ile	Gly	Arg	Asp	Thr	Val	Glu	Glu	Ile	Val	Tyr
465					470					475					480

Arg	Lys	Ala	Ala	Ser	Lys	Leu	Gln	Leu	Thr	Asn	Met	Ile	Ile	Glu	Gly
				485					490					495	
Gly	His	Phe	Thr	Leu	Gly	Ala	Gln	Lys	Pro	Ala	Ala	Asp	Ala	Asp	Leu
			500					505					510		
Gln	Leu	Ser	Glu	Ile	Leu	Lys	Phe	Gly	Leu	Asp	Lys	Leu	Leu	Ala	Ser
		515					520					525			
Glu	Gly	Ser	Thr	Met	Asp	Glu	Ile	Asp	Leu	Glu	Ser	Ile	Leu	Gly	Glu
	530					535					540				
Thr	Lys	Asp	Gly	Gln	Trp	Val	Ser	Asp	Ala	Leu	Pro	Ala	Ala	Glu	Gly
545					550					555					560
Gly	Ser	Arg	Asp	Gln	Glu	Glu	Gly	Lys	Asn	His	Met	Tyr	Leu	Phe	Glu
				565					570					575	
Gly	Lys	Asp	Tyr	Ser	Lys	Glu	Pro	Ser	Lys	Glu	Asp	Arg	Lys	Ser	Phe
			580					585					590		
Glu	Gln	Leu	Val	Asn	Leu	Gln	Lys	Thr	Leu	Leu	Glu	Lys	Ala	Ser	Gln
		595					600					605			
Glu	Gly	Arg	Ser	Leu	Arg	Asn	Lys	Gly	Ser	Val	Leu	Ile	Pro	Gly	Leu
	610					615					620				
Val	Glu	Gly	Ser	Thr	Lys	Arg	Lys	Arg	Val	Leu	Ser	Pro	Glu	Glu	Leu
625					630					635					640
Glu	Asp	Arg	Gln	Lys	Lys	Arg	Gln	Glu	Ala	Ala	Ala	Lys	Arg	Arg	Arg
				645					650					655	
Leu	Ile	Glu	Glu	Lys	Lys	Arg	Gln	Lys	Glu	Glu	Ala	Glu	His	Lys	Lys
			660					665					670		
Lys	Val	Ala	Trp	Trp	Glu	Ser	Asn	Asn	Tyr	Gln	Ser	Phe	Cys	Leu	Pro
		675					680					685			
Ser	Glu	Glu	Ser	Glu	Pro	Glu	Asp	Leu	Glu	Asn	Gly	Glu	Glu	Ser	Ser
	690					695					700				
Ala	Glu	Leu	Asp	Tyr	Gln	Asp	Pro	Asp	Ala	Thr	Ser	Leu	Lys	Tyr	Val
705					710					715					720
Ser	Gly	Asp	Val	Thr	His	Pro	Gln	Ala	Gly	Ala	Glu	Asp	Ala	Leu	Ile
				725					730					735	
Val	His	Cys	Val	Asp	Asp	Ser	Gly	His	Trp	Gly	Arg	Gly	Gly	Leu	Phe
			740					745					750		
Thr	Ala	Leu	Glu	Lys	Arg	Ser	Ala	Glu	Pro	Arg	Lys	Ile	Tyr	Glu	Leu
		755					760					765			

Ala Gly Lys Met Lys Asp Leu Ser Leu Gly Gly Val Leu Leu Phe Pro  
770 775 780

Val Asp Asp Lys Glu Ser Arg Asn Lys Gly Gln Asp Leu Leu Ala Leu  
785 790 795 800

Ile Val Ala Gln His Arg Asp Arg Ser Asn Val Leu Ser Gly Ile Lys  
805 810 815

Met Ala Ala Leu Glu Glu Gly Leu Lys Lys Ile Phe Leu Ala Ala  
820 825 830

<210> 1820

<211> 212

&lt;212&gt; PRT

<213> Homo sapiens

<400> 1820

Met Leu Asn Lys Val Leu Ser Arg Leu Gly Val Ala Gly Gln Trp Arg  
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Phe Val Asp Val Leu Gly Leu Glu Glu Glu Ser Leu Gly Ser Val Pro  
20 25 30

Ala Pro Ala Cys Ala Leu Leu Leu Phe Pro Leu Thr Ala Gln His  
35 40 45

Glu Asn Phe Arg Lys Lys Gln Ile Glu Glu Leu Lys Gly Gln Glu Val  
50 55 60

Ser Pro Lys Val Tyr Phe Met Lys Gln Thr Ile Gly Asn Ser Cys Gly  
65 70 75 80

Thr Ile Gly Leu Ile His Ala Val Ala Asn Asn Gln Asp Lys Leu Gly  
85 90 95

Phe Glu Asp Gly Ser Val Leu Lys Gln Phe Leu Ser Glu Thr Glu Lys  
100 105 110

Met Ser Pro Glu Asp Arg Ala Lys Cys Phe Glu Lys Asn Glu Ala Ile  
115 120 125

Gln Ala Ala His Asp Ala Val Ala Gln Glu Gly Gln Cys Arg Val Asp  
130 135 140

Asp Lys Val Asn Phe His Phe Ile Leu Phe Asn Asn Val Asp Gly His  
145 150 155 160

Leu Tyr Glu Leu Asp Gly Arg Met Pro Phe Pro Val Asn His Gly Ala  
165 170 175

Ser Ser Glu Asp Thr Leu Leu Lys Asp Ala Ala Lys Val Cys Arg Glu  
180 185 190

Phe Thr Glu Arg Glu Gln Gly Glu Val Arg Phe Ser Ala Val Ala Leu  
 195 200 205

Cys Lys Ala Ala  
 210

<210> 1821

<211> 323

<212> PRT

<213> Homo sapiens

<400> 1821

Met Asp Ser Lys Tyr Gln Cys Val Lys Leu Asn Asp Gly His Phe Met  
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Pro Val Leu Gly Phe Gly Thr Tyr Ala Pro Ala Glu Val Pro Lys Ser  
 20 25 30

Lys Ala Leu Glu Ala Val Lys Leu Ala Ile Glu Ala Gly Tyr His His  
 35 40 45

Ile Asp Ser Ala His Val Tyr Asn Asn Glu Glu Gln Val Gly Leu Ala  
 50 55 60

Ile Arg Ser Lys Ile Ala Asp Gly Ser Val Lys Arg Glu Asp Ile Phe  
 65 70 75 80

Tyr Thr Ser Lys Leu Trp Ser Asn Ser His Arg Pro Glu Leu Val Arg  
 85 90 95

Pro Ala Leu Glu Arg Ser Leu Lys Asn Leu Gln Leu Asp Tyr Ala Asp  
 100 105 110

Leu Tyr Leu Ile His Phe Pro Val Ser Val Lys Pro Gly Glu Glu Val  
 115 120 125

Ile Pro Lys Asp Glu Asn Gly Lys Ile Leu Phe Asp Thr Val Asp Leu  
 130 135 140

Cys Ala Thr Trp Glu Ala Met Glu Lys Cys Lys Asp Ala Gly Leu Ala  
 145 150 155 160

Lys Ser Ile Gly Val Ser Asn Phe Asn His Arg Leu Leu Glu Met Ile  
 165 170 175

Leu Asn Glu Pro Gly Leu Lys Tyr Glu Pro Val Cys Asn Gln Val Glu  
 180 185 190

Cys His Pro Tyr Phe Asn Gln Arg Lys Leu Leu Asp Phe Cys Lys Ser  
 195 200 205

Lys Asp Ile Val Leu Val Ala Tyr Ser Ala Leu Gly Ser His Arg Glu

210                      215                      220  
 Glu Pro Trp Val Asp Pro Asn Ser Pro Val Leu Leu Glu Asp Pro Val  
 225                      230                      235                      240  
 Leu Cys Ala Leu Ala Lys Lys His Lys Arg Thr Pro Ala Leu Ile Ala  
                     245                      250                      255  
 Leu Arg Tyr Gln Leu Gln Arg Gly Val Val Val Leu Ala Lys Ser Tyr  
                     260                      265                      270  
 Asn Glu Gln Arg Ile Arg Gln Asn Val Gln Val Phe Glu Phe Gln Leu  
                     275                      280                      285  
 Thr Ser Glu Glu Met Lys Ala Ile Asp Gly Leu Asn Arg Asn Val Arg  
                     290                      295                      300  
 Tyr Leu Thr Leu Asp Ile Phe Ala Gly Pro Pro Asn Tyr Pro Ile Ser  
 305                      310                      315                      320  
 Asp Glu Tyr

<210> 1822  
 <211> 141  
 <212> PRT  
 <213> Homo sapiens

<400> 1822  
 Met Gly Phe Gln Lys Phe Ser Pro Phe Leu Ala Leu Ser Ile Leu Val  
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 Leu Leu Gln Ala Gly Ser Leu His Ala Ala Pro Phe Arg Ser Ala Leu  
                     20                      25                      30  
 Glu Ser Ser Pro Ala Asp Pro Ala Thr Leu Ser Glu Asp Glu Ala Arg  
                     35                      40                      45  
 Leu Leu Leu Ala Ala Leu Val Gln Asp Tyr Val Gln Met Lys Ala Ser  
                     50                      55                      60  
 Glu Leu Glu Gln Glu Gln Glu Arg Glu Gly Ser Ser Leu Asp Ser Pro  
                     65                      70                      75                      80  
 Arg Ser Lys Arg Cys Gly Asn Leu Ser Thr Cys Met Leu Gly Thr Tyr  
                     85                      90                      95  
 Thr Gln Asp Phe Asn Lys Phe His Thr Phe Pro Gln Thr Ala Ile Gly  
                     100                      105                      110  
 Val Gly Ala Pro Gly Lys Lys Arg Asp Met Ser Ser Asp Leu Glu Arg  
                     115                      120                      125



Asp His Arg Pro His Val Ser Met Pro Gln Asn Ala Asn  
 130 135 140

<210> 1823  
 <211> 6188  
 <212> DNA  
 <213> Homo sapiens

<400> 1823  
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 gtcggaggag aacaacaacc tgcagagcca ggtgcagaag ctcacagagg agaaccacc 180  
 ccttcogagag caagtggaaac ccaccctga ggatgaggat gatgacatcg agctccgcgg 240  
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 catgatgacc ggccgtgctg cccgttgggc ctacagaaag ctggagcgtc cccactacct 480  
 gatgcacaac taccagctt tcatgatgga aatgaagcat gtctttgaag accctcagag 540  
 gcgagagggt gccaaacgca agatcagacg cctgcgcaa ggcatgggt ctgtcatcga 600  
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 cgccaagtgc ctgtctgtc tgattgggca gtgcattcac attgagagaa ggctggccag 780  
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 gtaccacagt accgcgcgcc acagccgcgc cctccaccac caccacgcgc gccgcctcca 2160  
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 ccacctgagg cacatcctct ctgaaacggc tatggaaggt tagggccact ctggactggc 2340  
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 tactttccag ccagtctctg aagtctgggt ttacacctgc aaaacctcca tcaccatcta 2520  
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tcttcaaact	ccattttccat	ggttctgtta	attctcaagg	agcagcaact	cgactggttc	2820
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 Lys Thr Leu Ala Cys Thr Glu Arg Pro Ser Lys Asn Ser His Pro Val  
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Ile Arg Leu Val Val Thr Lys Gly Phe Ser Gly Thr Pro Gly Ser Asn  
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Pro Lys Ser Thr Ala Asp Val Ser Thr Pro Asp Ser Glu Ile Asn Leu  
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Thr Asn Val Thr Asp Ile Ile Arg Val Pro Val Phe Asn Ile Val Ile  
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Ala Thr Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly  
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TC0050"32954350

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1832-1833

THE "GREAT" 1964







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For more information

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For the "Cotton" section



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THE "BIBLICAL" CRISIS



TOPOGRAPHIC

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Phe Ser Lys Lys  
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&lt;212&gt; PRT

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&lt;400&gt; 1844

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&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1845

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Ser Glu Phe Arg  
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&lt;210&gt; 1846

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1846

Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys  
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Ser Thr Asn Pro  
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&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1847

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Gly Asp Val Ala  
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<210> 1848  
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Arg Lys Lys Val  
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accgttcata tcgggcctac cgccttcctc ggcttggttg ttgtcgacaa caacggcaac 180  
ggcgacagag tccaacgcgt ggtcgggagc gctccggcgg caagtctcgg catctccacc 240  
ggcgacgtga tcaccgcggt cgacggcgct ccgatcaact cggccaccgc gatggcggac 300  
gcgcttaacg ggcacatcc cggtgacgtc atctcgggtga cctggcaaac caagtccggc 360  
ggcacgcgta cagggaacgt gacattggcc gagggacccc cggccgaatt cacgcgtccg 420  
cgccgcgcgg cgacggggag gcgagaggcg ccccccggtg gagagcctga gccccgcgca 480  
agtctggcgg cacctggcga gcggagccgg agtcgggctg gggaccgcgg ggttgaggcc 540  
ggaccgcggc ggggtcgggg gaaaaacgcg cgctgccctg gcacggggccc caaccccccg 600  
gcgcgcggga atggtatggc ccggccggag ttaaggccgg ggggaggcgg cgagtcccgc 660  
ggcggcggcg acgatggggc tgcgtgcagg aggaacgcgt ggcaggggcg gcgcgggtcg 720  
ggggggcgccc gaggggcccg ggccgagcgg cggcgcgagc ggcggcagca tccactcggg 780  
ccgcatcgcc gcggtgcaca acgtgccgct gagcgtgctc atccggccgc tgcgctccgt 840  
gttggacccc gccaaaggcg agagcctcgt ggacacgac cgggaggacc cagacagcgt 900  
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<210> 1862  
<211> 822  
<212> DNA  
<213> Homo sapiens

<400> 1862  
atgcatcacc atcaccatca cacggccgcg tccgataact tccagctgtc ccagggtggg 60  
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accgttcata tcgggcctac cgccttcctc ggcttggttg ttgtcgacaa caacggcaac 180  
ggcgacagag tccaacgcgt ggtcgggagc gctccggcgg caagtctcgg catctccacc 240  
ggcgacgtga tcaccgcggt cgacggcgct ccgatcaact cggccaccgc gatggcggac 300  
gcgcttaacg ggcacatcc cggtgacgtc atctcgggtga cctggcaaac caagtccggc 360  
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gcaggaggaa cgctgggcag ggccggcgcg ggtcgggggg cgcccgaggg gccccggccg 480  
agcggcgcg cgagggcgcg cagcatccac tcggggccga tcgccgcggt gcacaacgtg 540  
ccgctgagcg tgctcatccg gccgctgccg tccgtggttg accccgccaa ggtgcagagc 600  
ctcgtggaca cgatccggga ggaccagac agcgtgcccc ccatcgatgt cctctggatc 660  
aaagggggccc agggagggtga ctacttctac tcctttgggg gctgccaccg ctacgcggcc 720  
taccagcaac tgcagcgaga gaccatcccc gccaaagctt tccagtcac tctctcagac 780  
ctaagggtgt acctgggagc atccacacca gacttgagc ag 822

<210> 1863

<211> 314  
 <212> PRT  
 <213> Homo sapiens

<400> 1863

Met	His	His	His	His	His	His	Thr	Ala	Ala	Ser	Asp	Asn	Phe	Gln	Leu
				5					10					15	
Ser	Gln	Gly	Gly	Gln	Gly	Phe	Ala	Ile	Pro	Ile	Gly	Gln	Ala	Met	Ala
			20					25					30		
Ile	Ala	Gly	Gln	Ile	Lys	Leu	Pro	Thr	Val	His	Ile	Gly	Pro	Thr	Ala
			35				40					45			
Phe	Leu	Gly	Leu	Gly	Val	Val	Asp	Asn	Asn	Gly	Asn	Gly	Ala	Arg	Val
	50					55					60				
Gln	Arg	Val	Val	Gly	Ser	Ala	Pro	Ala	Ala	Ser	Leu	Gly	Ile	Ser	Thr
	65				70					75					80
Gly	Asp	Val	Ile	Thr	Ala	Val	Asp	Gly	Ala	Pro	Ile	Asn	Ser	Ala	Thr
				85					90					95	
Ala	Met	Ala	Asp	Ala	Leu	Asn	Gly	His	His	Pro	Gly	Asp	Val	Ile	Ser
			100					105					110		
Val	Thr	Trp	Gln	Thr	Lys	Ser	Gly	Gly	Thr	Arg	Thr	Gly	Asn	Val	Thr
		115					120					125			
Leu	Ala	Glu	Gly	Pro	Pro	Ala	Glu	Phe	Thr	Arg	Pro	Arg	Arg	Ala	Ala
		130				135					140				
Gln	Gly	Arg	Arg	Glu	Ala	Pro	Pro	Gly	Gly	Glu	Pro	Glu	Pro	Arg	Ala
	145				150					155					160
Ser	Leu	Ala	Ala	Pro	Gly	Glu	Arg	Ser	Arg	Ser	Arg	Ala	Gly	Asp	Arg
				165					170					175	
Gly	Val	Glu	Ala	Gly	Pro	Arg	Arg	Gly	Arg	Gly	Arg	Asn	Ala	Arg	Cys
			180					185					190		
Pro	Gly	Thr	Gly	Pro	Asn	Pro	Pro	Ala	Ala	Arg	Asn	Gly	Met	Ala	Arg
		195					200					205			
Pro	Glu	Leu	Arg	Pro	Gly	Gly	Gly	Gly	Glu	Ser	Arg	Gly	Gly	Gly	Asp
	210					215					220				
Asp	Gly	Ala	Ala	Cys	Arg	Arg	Asn	Ala	Gly	Gln	Gly	Arg	Arg	Gly	Ser
	225				230					235					240
Gly	Gly	Ala	Arg	Gly	Ala	Arg	Ala	Glu	Arg	Arg	Arg	Ala	Gly	Arg	Gln
				245				250						255	
His	Pro	Leu	Gly	Pro	His	Arg	Arg	Gly	Ala	Gln	Arg	Ala	Ala	Glu	Arg

260 265 270  
 Ala His Pro Ala Ala Ala Val Arg Val Gly Pro Arg Gln Gly Ala Glu  
 275 280 285  
 Pro Arg Gly His Asp Pro Gly Gly Pro Arg Gln Arg Ala Pro His Arg  
 290 295 300  
 Cys Pro Leu Asp Gln Arg Gly Pro Gly Arg  
 305 310  
  
 <210> 1864  
 <211> 273  
 <212> PRT  
 <213> Homo sapiens  
  
 <400> 1864  
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 20 25 30  
 Ile Ala Gly Gln Ile Lys Leu Pro Thr Val His Ile Gly Pro Thr Ala  
 35 40 45  
 Phe Leu Gly Leu Gly Val Val Asp Asn Asn Gly Asn Gly Ala Arg Val  
 50 55 60  
 Gln Arg Val Val Gly Ser Ala Pro Ala Ala Ser Leu Gly Ile Ser Thr  
 65 70 75 80  
 Gly Asp Val Ile Thr Ala Val Asp Gly Ala Pro Ile Asn Ser Ala Thr  
 85 90 95  
 Ala Met Ala Asp Ala Leu Asn Gly His His Pro Gly Asp Val Ile Ser  
 100 105 110  
 Val Thr Trp Gln Thr Lys Ser Gly Gly Thr Arg Thr Gly Asn Val Thr  
 115 120 125  
 Leu Ala Glu Gly Pro Pro Ala Glu Phe Gly Leu Arg Ala Gly Gly Thr  
 130 135 140  
 Leu Gly Arg Ala Gly Ala Gly Arg Gly Ala Pro Glu Gly Pro Gly Pro  
 145 150 155 160  
 Ser Gly Gly Ala Gln Gly Gly Ser Ile His Ser Gly Arg Ile Ala Ala  
 165 170 175  
 Val His Asn Val Pro Leu Ser Val Leu Ile Arg Pro Leu Pro Ser Val  
 180 185 190

Leu Asp Pro Ala Lys Val Gln Ser Leu Val Asp Thr Ile Arg Glu Asp  
195 200 205

Pro Asp Ser Val Pro Pro Ile Asp Val Leu Trp Ile Lys Gly Ala Gln  
210 215 220

Gly Gly Asp Tyr Phe Tyr Ser Phe Gly Gly Cys His Arg Tyr Ala Ala  
225 230 235 240

Tyr Gln Gln Leu Gln Arg Glu Thr Ile Pro Ala Lys Leu Val Gln Ser  
245 250 255

Thr Leu Ser Asp Leu Arg Val Tyr Leu Gly Ala Ser Thr Pro Asp Leu  
260 265 270

Gln

<210> 1865

<211> 790

<212> DNA

<213> Homo sapiens

<400> 1865

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gcggcgccgg ccagcagccc cagccgcagc cccagcagcc ctctctgccg cccgcagcct 120
gtttctttgc cacggccgca gccgcggcgg ccgcagccgc cgcagcggca gcgcagagcg 180
cgcagcagca gcagcagcag cagcagcagc agcagcaggc gccgcagctg agaccggcgg 240
ccgacggcca gccctcaggg ggcggtcaca agtcagcgcc caagcaagtc aagcgacagc 300
gctcgtcttc gcccgaactg atgcgctgca aacgcgggct caacttcagc ggctttggct 360
acagcctgcc gcagcagcag ccggccgcgg tggcggcgg caacgagcgc gagcgcaacc 420
gcgtcaagtt ggtcaacctg ggctttgcca cccttcggga gcacgtcccc aacggcgcg 480
ccaacaagaa gatgagtaag gtggagacac tgcgctcggc ggtcgagtag atccgcgcgc 540
tgcagcagct gctggacgag catgacgcgg tgagcgccgc cttccaggca ggcgtcctgt 600
cgcccaccat ctcccccaac tactccaacg acttgaactc catggccggc tcgccggtct 660
catcctactc gtcgagcag ggctcttacg acccgctcag ccccgaggag caggagcttc 720
tcgacttcac caactggttc tgaggggctc ggccctggtc ggccctggtg cgaatggact 780
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```

<210> 1866

<211> 784

<212> DNA

<213> Homo sapiens

<400> 1866

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ccgcgaactc ttggccggccg ctgcgcatgg aaagctctgc caagatggag agcggcggcg 60
ccggccagca gcccagccg cagccccagc agcccttcct gccgcccga gctgtttct 120
ttgccacggc cgcagccgcg gcggccgcag ccgccgcagc ggcagcgcag agcgcgagc 180
agcagcagca gcagcagcag cagcagcagc aggcgcggca gctgagaccg gcggccgacg 240
gccagccctc agggggcggt cacaagtcag cgcccaagca agtcaagcga cagcgctcgt 300
cttcgcccga actgatgcgc tgcaaacgcc ggctcaactt cagcggtttt ggctacagcc 360
tgccgcagca gcagccggcc gccgtggcgc gccgcaacga gcgcgagcgc aaccgcgtca 420
agttggtcaa cctgggcttt gccacccttc gggagcacgt cccaacggc gcggccaaca 480
agaagatgag taaggtggag aactgcgct cggcggtcga gtacatccgc gcgctgcagc 540

```

```

agctgctgga cgagcatgac gcggtgagcg ccgccttcca ggcaggcgtc ctgtcgccca 600
ccatctcccc caactactcc aacgacttga actccatggc cggctcgccg gtctcatcct 660
actcgtcgga cgagggctct tacgaccgcg tcagccccga ggagcaggag cttctcgact 720
tcaccaactg gttctgaggg gctcggcctg gtcaggccct ggtgcgaatg gactttggaa 780
gcag                                           784

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<210> 1867
<211> 789
<212> DNA
<213> Homo sapiens

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<400> 1867
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ctttgccacg gccgcagccg cggcgcccg cagcccgcca gcggcagcgc agagcgcgca 180
gcagcagcag cagcagcagc agcagcagca gcagcaggcg ccgcagctga gaccggcggc 240
cgacggccag ccctcagggg gcggtcacaa gtcagcgccc aagcaagtca agcgacagcg 300
ctcgtcttcg cccgaactga tgcgtgcaa acgcccgtc aacttcagcg gctttggcta 360
cagcctgccg cagcagcagc cggccgcgtt ggccgcgccg aacgagcgcg agcgcaaccg 420
cgtcaagttg gtcaacctgg gctttgccac ctttcgggag cactgcccc aaggcgccgc 480
caacaagaag atgagtaagg tggagacact gcgctcgccg gtcgagtaca tccgcgcgct 540
gcagcagctg ctggacgagc atgacgcggt gagcgccgcc ttccaggcag gcgtcctgtc 600
gccaccatc tccccaaact actccaacga cttgaactcc atggccggct cgcgggtctc 660
atcctactcg tcggacgagg gctcttacga cccgctcagc cccgaggagc aggagcttct 720
cgacttcacc aactggttct gaggggctcg gcctggtcag gccctggtgc gaatggactt 780
tggaagcag                                           789

```

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<210> 1868
<211> 785
<212> DNA
<213> Homo sapiens

```

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<400> 1868
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ggcggcgccg gccagcagcc ccagccgcag ccccagcagc ccttctctgc gcccgagcc 120
tgtttctttg ccacggccgc agccgcggcg gccgcagccg ccgcagcggc agcgagagc 180
gcgcagcagc agcagcagca gcagcagcag caggcgccgc agctgagacc ggccggccgac 240
ggccagccct cagggggcgg tcacaagtca gcgcccagc aagtcaagcg acagcgctcg 300
tcttcgcccg aactgatgcg ctgcaaaccg cggctcaact tcagcggctt tggctacagc 360
ctgccgcagc agcagccggc cgccgtggcg cgcgcgaacg agcgcgagcg caaccgcgtc 420
aagttggtca acctgggctt tgccaccctt cgggagcagc tccccaacg cgcgccaac 480
aagaagatga gtaaggtgga gacactgcgc tcggcggtcg agtacatccg cgcgctgcag 540
cagctgctgg acgagcatga cgcggtgagc gccgccttcc aggcaggcgt cctgtcgccc 600
accatctccc ccaactactc caacgacttg aactccatgg ccggctcgcc ggtctcatcc 660
tactcgtcgg acgagggctc ttacgaccog ctcagccccg aggagcagga gcttctcgac 720
ttaccaact ggttctgagg ggctcggcct ggtcaggccc tgggtcgaat ggactttgga 780
agcag                                           785

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```

<210> 1869
<211> 236
<212> PRT
<213> Homo sapiens

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<400> 1869

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Met	Glu	Ser	Ser	Ala	Lys	Met	Glu	Ser	Gly	Ala	Gly	Gln	Pro			
				5					10					15		
Gln	Pro	Gln	Pro	Gln	Gln	Pro	Phe	Leu	Pro	Pro	Ala	Ala	Cys	Phe	Phe	
				20					25					30		
Ala	Thr	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Gln	
				35					40					45		
Ser	Ala	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Ala	Pro	
				50					55					60		
Gln	Leu	Arg	Pro	Ala	Ala	Asp	Gly	Gln	Pro	Ser	Gly	Gly	Gly	His	Lys	
				65					70					75		
Ser	Ala	Pro	Lys	Gln	Val	Lys	Arg	Gln	Arg	Ser	Ser	Ser	Pro	Glu	Leu	
				85					90					95		
Met	Arg	Cys	Lys	Arg	Arg	Leu	Asn	Phe	Ser	Gly	Phe	Gly	Tyr	Ser	Leu	
				100					105					110		
Pro	Gln	Gln	Gln	Pro	Ala	Ala	Val	Ala	Arg	Arg	Asn	Glu	Arg	Glu	Arg	
				115					120					125		
Asn	Arg	Val	Lys	Leu	Val	Asn	Leu	Gly	Phe	Ala	Thr	Leu	Arg	Glu	His	
				130					135					140		
Val	Pro	Asn	Gly	Ala	Ala	Asn	Lys	Lys	Met	Ser	Lys	Val	Glu	Thr	Leu	
				145					150					155		
Arg	Ser	Ala	Val	Glu	Tyr	Ile	Arg	Ala	Leu	Gln	Gln	Leu	Leu	Asp	Glu	
				165					170					175		
His	Asp	Ala	Val	Ser	Ala	Ala	Phe	Gln	Ala	Gly	Val	Leu	Ser	Pro	Thr	
				180					185					190		
Ile	Ser	Pro	Asn	Tyr	Ser	Asn	Asp	Leu	Asn	Ser	Met	Ala	Gly	Ser	Pro	
				195					200					205		
Val	Ser	Ser	Tyr	Ser	Ser	Asp	Glu	Gly	Ser	Tyr	Asp	Pro	Leu	Ser	Pro	
				210					215					220		
Glu	Glu	Gln	Glu	Leu	Leu	Asp	Phe	Thr	Asn	Trp	Phe					
				225					230					235		

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<210> 1870
<211> 236
<212> PRT
<213> Homo sapiens
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<400> 1870																
Met	Glu	Ser	Ser	Ala	Lys	Met	Glu	Ser	Gly	Gly	Ala	Gly	Gln	Gln	Pro	
				5					10					15		
Gln	Pro	Gln	Pro	Gln	Gln	Pro	Phe	Leu	Pro	Pro	Ala	Ala	Cys	Phe	Phe	
			20					25					30			
Ala	Thr	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Gln	
		35					40					45				
Ser	Ala	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Ala	Pro
	50					55					60					
Gln	Leu	Arg	Pro	Ala	Ala	Asp	Gly	Gln	Pro	Ser	Gly	Gly	Gly	Gly	His	Lys
	65				70					75						80
Ser	Ala	Pro	Lys	Gln	Val	Lys	Arg	Gln	Arg	Ser	Ser	Ser	Pro	Glu	Leu	
			85						90					95		
Met	Arg	Cys	Lys	Arg	Arg	Leu	Asn	Phe	Ser	Gly	Phe	Gly	Tyr	Ser	Leu	
			100					105					110			
Pro	Gln	Gln	Gln	Pro	Ala	Ala	Val	Ala	Arg	Arg	Asn	Glu	Arg	Glu	Arg	
		115					120					125				

```
<210> 1871
<211> 237
<212> PRT
<213> Homo sapiens
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<400>	1871														
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				5					10					15	
Gln	Pro	Gln	Pro	Gln	Gln	Pro	Phe	Leu	Pro	Pro	Ala	Ala	Cys	Phe	Phe
			20					25					30		
Ala	Thr	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Gln
		35					40					45			
Ser	Ala	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Ala
	50					55					60				
Pro	Gln	Leu	Arg	Pro	Ala	Ala	Asp	Gly	Gln	Pro	Ser	Gly	Gly	Gly	His
65					70					75					80
Lys	Ser	Ala	Pro	Lys	Gln	Val	Lys	Arg	Gln	Arg	Ser	Ser	Ser	Pro	Glu
				85					90					95	
Leu	Met	Arg	Cys	Lys	Arg	Arg	Leu	Asn	Phe	Ser	Gly	Phe	Gly	Tyr	Ser
			100					105					110		
Leu	Pro	Gln	Gln	Gln	Pro	Ala	Ala	Val	Ala	Arg	Arg	Asn	Glu	Arg	Glu
		115				120						125			
Arg	Asn	Arg	Val	Lys	Leu	Val	Asn	Leu	Gly	Phe	Ala	Thr	Leu	Arg	Glu
	130				135						140				
His	Val	Pro	Asn	Gly	Ala	Ala	Asn	Lys	Lys	Met	Ser	Lys	Val	Glu	Thr
145					150					155					160
Leu	Arg	Ser	Ala	Val	Glu	Tyr	Ile	Arg	Ala	Leu	Gln	Gln	Leu	Leu	Asp
			165						170					175	
Glu	His	Asp	Ala	Val	Ser	Ala	Ala	Phe	Gln	Ala	Gly	Val	Leu	Ser	Pro
			180					185					190		
Thr	Ile	Ser	Pro	Asn	Tyr	Ser	Asn	Asp	Leu	Asn	Ser	Met	Ala	Gly	Ser
		195					200					205			
Pro	Val	Ser	Ser	Tyr	Ser	Ser	Asp	Glu	Gly	Ser	Tyr	Asp	Pro	Leu	Ser
	210					215					220				
Pro	Glu	Glu	Gln	Glu	Leu	Leu	Asp	Phe	Thr	Asn	Trp	Phe			
225					230					235					











<213> Homo sapiens

<400> 1878

Met	His	His	His	His	His	His	Thr	Ala	Ala	Ser	Asp	Asn	Phe	Gln	Leu
				5					10					15	
Ser	Gln	Gly	Gly	Gln	Gly	Phe	Ala	Ile	Pro	Ile	Gly	Gln	Ala	Met	Ala
		20						25					30		
Ile	Ala	Gly	Gln	Ile	Lys	Leu	Met	Thr	Ser	Ala	Val	Pro	Val	Ala	Asn
		35					40					45			
Ser	Val	Leu	Val	Val	Ala	Pro	His	Asn	Gly	Tyr	Pro	Val	Thr	Pro	Gly
	50					55					60				
Ile	Met	Ser	His	Val	Pro	Leu	Tyr	Pro	Asn	Ser	Gln	Pro	Gln	Val	His
	65				70					75					80
Leu	Val	Pro	Gly	Asn	Pro	Pro	Ser	Leu	Val	Ser	Asn	Val	Asn	Gly	Gln
				85					90					95	
Pro	Val	Gln	Lys	Ala	Leu	Lys	Glu	Gly	Lys	Thr	Leu	Gly	Ala	Ile	Gln
			100					105					110		
Ile	Ile	Ile	Gly	Leu	Ala	His	Ile	Gly	Leu	Gly	Ser	Ile	Met	Ala	Thr
		115					120					125			
Val	Leu	Val	Gly	Glu	Tyr	Leu	Ser	Ile	Ser	Phe	Tyr	Gly	Gly	Phe	Pro
	130					135					140				
Phe	Trp	Gly	Gly	Leu	Trp	Phe	Ile	Ile	Ser	Glu	Ser	Leu	Ser	Val	Ala
	145				150					155					160
Ala	Glu	Asn	Gln	Pro	Tyr	Ser	Tyr	Cys	Leu	Leu	Ser	Gly	Ser	Leu	Gly
				165					170					175	
Leu	Asn	Ile	Val	Ser	Ala	Ile	Cys	Ser	Ala	Val	Gly	Val	Ile	Leu	Phe
		180						185					190		
Ile	Thr	Asp	Leu	Ser	Ile	Pro	His	Pro	Tyr	Ala	Tyr	Pro	Asp	Tyr	Tyr
	195					200						205			
Pro	Tyr	Ala	Trp	Gly	Val	Asn	Pro	Gly	Met	Ala	Ile	Ser	Gly	Val	Leu
	210					215						220			
Leu	Val	Phe	Cys	Leu	Leu	Glu	Phe	Gly	Ile	Ala	Cys	Ala	Ser	Ser	His
	225				230					235					240
Phe	Gly	Cys	Gln	Leu	Val	Cys	Cys	Gln	Ser	Ser	Asn	Val	Ser	Val	Ile
				245					250					255	
Tyr	Pro	Asn	Ile	Tyr	Ala	Ala	Asn	Pro	Val	Ile	Thr	Pro	Glu	Pro	Val
			260					265					270		
Thr	Ser	Pro	Pro	Ser	Tyr	Ser	Ser	Glu	Ile	Gln	Ala	Asn	Lys		
		275					280						285		

<210> 1879

<211> 186

<212> DNA

<213> Homo sapiens

<400> 1879

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cagggattcg	ccattccgat	cgggcaggcg	atggcgatcg	cgggccagat	caagcttcta	120
agtattcccc	accatgatgc	ctaccccgac	tattatcctt	acgcctgggg	tgtgaaccct	180
ggaatg						186

<210> 1880

<211> 62



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cagctccagg ctgacacgct ccgcctcctt ctgccggcac tcctcctcca gctgcttcag 840
cttctcctcc aggatcgctt gcggcttctt gcctggaatt ccagaaaacg ccgttactcc 900
cgcggcaggc acaggttctc caaacaacag agaaggcacc tgggtcccaa gaagaacttc 960
cacaaaacgt ctgaggtcga gctccccctga cttagggtcct cgttgtgaaa cttaaattca 1020
gcagttctct aagggatcag agtcctttct ctaccatttc cctttgctgc agccgttgag 1080
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<210> 1884

<211> 91

<212> PRT

<213> Homo sapiens

&lt;400&gt; 1884

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 Pro His Phe Val Leu Phe Asp Ser Lys Arg Thr Gln Thr Ala Ser Phe  
                   20                  25                  30  
 Ile Ser Val Ser Pro Ala Pro Gly Leu Thr Leu Arg His Val Arg Arg  
                   35                  40                  45  
 Phe Val Ser Thr Gly Ser Thr Glu Leu Ala Ser Asn His Asp Leu Val  
                   50                  55                  60  
 Gln Lys Arg His Glu Asp Trp Ile Cys Ser Lys Gln Ile Val Gln Arg  
                   65                  70                  75                  80  
 Gly Lys Thr Gln Thr Gln His Phe His Ser Phe  
                                   85                                  90

&lt;210&gt; 1885

&lt;211&gt; 56

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1885

Met Thr Trp Phe Arg Arg Asp Thr Arg Thr Gly Ser Val Leu Asn Arg  
                   5                  10                  15  
 Leu Cys Lys Gly Glu Arg His Arg Leu Ser Ile Ser Thr Ala Phe Asn  
                   20                  25                  30  
 Ile Ser Ala Arg Gly Glu Lys Ala Cys Gln Glu His Arg Pro Arg Pro  
                   35                  40                  45  
 Met Lys Val Ser Asp Ala Asn Thr  
                   50                  55

&lt;210&gt; 1886

&lt;211&gt; 56

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1886

Met Leu Thr His Glu Leu Ser Ser Ala Gly His Thr Lys Gly Pro Gln  
                   5                  10                  15  
 Ala Ser Tyr Ala Pro Glu Pro Leu His Ile Leu Ser Gly Cys Thr Gly  
                   20                  25                  30  
 Pro Arg Pro Arg Lys Ala Ala Pro Ala Ser Glu Val Ser Gln Lys Asp  
                   35                  40                  45  
 Thr His Leu Trp Thr Arg Cys Pro  
                   50                  55

&lt;210&gt; 1887

&lt;211&gt; 100

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1887

Met Ala Ser Pro Arg Val Thr Pro Pro Ala Ser Ala Phe Phe Arg Leu



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<211> 195
<212> PRT
<213> Homo sapiens
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<400> 1888

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<210> 1889
<211> 90
<212> PRT
<213> Homo sapiens
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<213> Homo sapiens

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<210> 1893
<211> 8372
<212> DNA
<213> Homo sapiens

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ccccctggag	gacctgcccc	tgcagttctg	cctcacacgg	ctcaagtcac	caccgtgaac	1200
aagggaacct	aaagaatggc	cgagccttgg	gggaacgagt	tggcgtccgc	agctgccagg	1260
ggggacctag	agcaacttac	tagtttgttg	caaaataatg	taaacgtcaa	tgcacaaaa	1320
ggatttgga	ggactgcgct	gcaggttatg	aaacttggaa	atcccagat	tgccaggaga	1380
ctgctactta	gaggtgctaa	tcccgatatt	aaagaccgaa	ctggtttcgc	tgctattcat	1440
gatgcggcca	gagcaggttt	cctggacact	ttacagactt	tgctggagtt	tcaagctgat	1500
gttaacatcg	aggataatga	agggaacctg	cccttgcact	tggctgcca	agaaggtcac	1560
ctccgggttg	tggagttcct	ggtgaagcac	acggccagca	atgtggggca	tcggaacct	1620
aagggggaca	ccgcctgtga	tttgccagg	ctctatggga	ggaatgaggt	tgtagacctg	1680
atgcaggcaa	acggggctgg	gggagccaca	aatcttcaat	aaacgtgggg	agggtcccc	1740
cacgttgcc	ctactttatc	aattaactga	gtagctctcc	tgacttttaa	tgctatttgt	1800
taaaatacag	ttctgtcata	tgtaagcag	ctaaattttc	tgaaactgca	taagtgaaaa	1860

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<210> 1899
<211> 987
<212> DNA
<213> Homo sapiens
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<210> 1900
<211> 2545
<212> DNA
<213> Homo sapiens
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<400> 1900						
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aagggtcgct	gttcttgcac	cagcaccaac	caagggacta	tccacctaca	atccttgaaa	180
gaccttaaac	aatttgcccc	aagcccttcc	tgcgagaaaa	ttgaaatcat	tgctacactg	240
aagaatggag	ttcaaacatg	tctaaaccca	gattcagcag	atgtgaagga	actgattaaa	300
aagtgggaga	aacaggtcag	ccaaaagaaa	aagcaaaaga	atgggaaaaa	acatcaaaaa	360
aagaaagttc	tgaaagttcg	aaaatctcaa	cgttctcgtc	aaaagaagac	tacataagag	420
accacttcac	caataagtat	tctgtgttaa	aaatgttcta	ttttaattat	accgctatca	480
ttccaaagga	ggatggcata	taatacaaaag	gcttattaat	ttgactagaa	aatttaaaaac	540
attactctga	aattgtaact	aaagtttagaa	agttgatttt	aagaatccaa	acgttaagaa	600
ttgttaaagg	ctatgattgt	ctttgttctt	ctaccaccca	ccagttgaat	ttcatcatgc	660
ttaaggccat	gatttttagca	atacccatgt	ctacacagat	gttcacccaa	ccatcatcca	720
ctcacacagc	ctgccttgaa	gagcagccct	aggcttccac	gtactgcagc	ctccagagag	780
tatctgaggc	acatgtcaga	aagtoctaag	ctggttagca	tgtgtgtgag	ccaagcagtt	840
tgaaattgag	ctggacctca	ccaagctgct	gtggccatca	acctctgtat	ttgaatcagc	900
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<210> 1901
<211> 149
<212> PRT
<213> Homo sapiens
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<400> 1901
Met Ala Ser Ser Asp Ile Gln Val Lys Glu Leu Glu Lys Arg Ala Ser
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Gly Gln Ala Phe Glu Leu Ile Leu Ser Pro Arg Ser Lys Glu Ser Val
      20              25              30
Pro Glu Phe Pro Leu Ser Pro Pro Lys Lys Lys Asp Leu Ser Leu Glu
      35              40              45
Glu Ile Gln Lys Lys Leu Glu Ala Ala Glu Glu Arg Arg Lys Ser His
      50              55              60
Glu Ala Glu Val Leu Lys Gln Leu Ala Glu Lys Arg Glu His Glu Lys
      65              70              75              80
Glu Val Leu Gln Lys Ala Ile Glu Glu Asn Asn Asn Phe Ser Lys Met
      85              90              95
Ala Glu Glu Lys Leu Thr His Lys Met Glu Ala Asn Lys Glu Asn Arg
      100             105             110
Glu Ala Gln Met Ala Ala Lys Leu Glu Arg Leu Arg Glu Lys Asp Lys
      115             120             125
His Ile Glu Glu Val Arg Lys Asn Lys Glu Ser Lys Asp Pro Ala Asp
      130             135             140
Glu Thr Glu Ala Asp

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435 440 445  
 Thr Glu Trp Gln Gln Leu Val Asp Asp Ala Lys Glu Asn Leu His Lys  
 450 455 460  
 Ile Gln Asp Asp Glu Phe Val Val Asn Tyr Cys Leu Lys Ala Gln Trp  
 465 470 475 480  
 Ile Thr Tyr Glu Thr Thr Gln Glu Met Leu Asn Tyr Ala Lys Thr Arg  
 485 490 495  
 Leu Leu Lys Lys Glu Asp Lys Thr Ala Leu Ile Tyr Ser Asp Gly Leu  
 500 505 510  
 Lys Glu Val Leu Arg Ala His Ala Lys Leu Thr Thr Phe Tyr Gly Ala  
 515 520 525  
 Phe Gly Pro Glu Lys Phe Ser Gly Ser Ser Trp Ile Glu Phe Leu Asn  
 530 535 540  
 Asn Glu Asp Asp Leu Lys Asp Ile Phe Leu Gln Leu Lys Glu Gly Asn  
 545 550 555 560  
 Leu Val Cys Ala Gln Tyr Leu Trp Leu Arg His Arg Ala Asn Phe Glu  
 565 570 575  
 Ser Arg Phe Asp Val Lys Met Leu Glu Ser Leu Leu Asn Ser Met Ser  
 580 585 590  
 Ala Ser Val Ser Leu Gln Lys Leu Cys Pro Trp Phe Lys Asn Asp Val  
 595 600 605  
 Ile Pro Phe Val Arg Arg Thr Val Pro Glu Gly Gln Ile Ile Leu Ala  
 610 615 620  
 Lys Trp Leu Glu Gln Ala Ala Arg Asn Leu Glu Leu Thr Asp Lys Ala  
 625 630 635 640  
 Asn Trp Pro Glu Asn Gly Leu Gln Leu Ala Glu Ile Phe Phe Thr Ala  
 645 650 655  
 Glu Lys Thr Asp Glu Leu Gly Leu Ala Ser Ser Trp His Trp Ile Ser  
 660 665 670  
 Leu Lys Asp Tyr Gln Asn Thr Glu Glu Val Cys Gln Leu Arg Thr Leu  
 675 680 685  
 Val Asn Asn Leu Arg Glu Leu Ile Thr Leu His Arg Lys Tyr Asn Cys  
 690 695 700  
 Lys Leu Ala Leu Ser Asp Phe Glu Lys Glu Asn Thr Thr Thr Ile Val  
 705 710 715 720  
 Phe Arg Met Phe Asp Lys Val Leu Ala Pro Glu Leu Ile Pro Ser Ile  
 725 730 735  
 Leu Glu Lys Phe Ile Arg Val Tyr Met Arg Glu His Asp Leu Gln Glu  
 740 745 750  
 Glu Glu Leu Leu Leu Leu Tyr Ile Glu Asp Leu Leu Asn Arg Cys Ser  
 755 760 765  
 Ser Lys Ser Thr Ser Leu Phe Glu Thr Ala Trp Glu Ala Lys Ala Met  
 770 775 780  
 Ala Val Ile Ala Cys Leu Ser Asp Thr Asp Leu Ile Phe Asp Ala Val  
 785 790 795 800  
 Leu Lys Ile Met Tyr Ala Ala Val Val Pro Trp Ser Ala Ala Val Glu  
 805 810 815  
 Gln Leu Val Lys Gln His Leu Glu Met Asp His Pro Lys Val Lys Leu  
 820 825 830  
 Leu Gln Glu Ser Tyr Lys Leu Met Glu Met Lys Lys Leu Leu Arg Gly  
 835 840 845  
 Tyr Gly Ile Arg Glu Val Asn Leu Leu Asn Lys Glu Ile Met Arg Val  
 850 855 860  
 Val Arg Tyr Ile Leu Lys Gln Asp Val Pro Ser Ser Leu Glu Asp Ala

865                      870                      875                      880  
 Leu Lys Val Ala Gln Ala Phe Met Leu Ser Asp Asp Glu Ile Tyr Ser  
                                  885                      890                      895  
 Leu Arg Ile Ile Asp Leu Ile Asp Arg Glu Gln Gly Glu Asp Cys Leu  
                                  900                      905                      910  
 Leu Leu Leu Lys Ser Leu Pro Pro Ala Glu Ala Glu Lys Thr Ala Glu  
                                  915                      920                      925  
 Arg Val Ile Ile Trp Ala Arg Leu Ala Leu Gln Glu Glu Pro Asp His  
                                  930                      935                      940  
 Ser Lys Glu Gly Lys Ala Trp Arg Met Ser Val Ala Lys Thr Ser Val  
                                  945                      950                      955                      960  
 Asp Ile Leu Lys Ile Leu Cys Asp Ile Gln Lys Asp Asn Leu Gln Lys  
                                  965                      970                      975  
 Lys Asp Glu Cys Glu Glu Met Leu Lys Leu Phe Lys Glu Val Ala Ser  
                                  980                      985                      990  
 Leu Gln Glu Asn Phe Glu Val Phe Leu Ser Phe Glu Asp Tyr Ser Asn  
                                  995                      1000                      1005  
 Ser Ser Leu Val Ala Asp Leu Arg Glu Gln His Ile Lys Ala His Glu  
                                  1010                      1015                      1020  
 Val Ala Gln Ala Lys His Lys Pro Gly Ser Thr Pro Glu Pro Ile Ala  
                                  1025                      1030                      1035                      1040  
 Ala Glu Val Arg Ser Pro Ser Met Glu Ser Lys Leu His Arg Gln Ala  
                                  1045                      1050                      1055  
 Leu Ala Leu Gln Met Ser Lys Gln Glu Leu Glu Ala Glu Leu Thr Leu  
                                  1060                      1065                      1070  
 Arg Ala Leu Lys Asp Gly Asn Ile Lys Thr Ala Leu Lys Lys Cys Ser  
                                  1075                      1080                      1085  
 Asp Leu Phe Lys Tyr His Cys Asn Ala Asp Thr Gly Lys Leu Leu Phe  
                                  1090                      1095                      1100  
 Leu Thr Cys Gln Lys Leu Cys Gln Met Leu Ala Asp Asn Val Pro Val  
                                  1105                      1110                      1115                      1120  
 Thr Val Pro Val Gly Leu Asn Leu Pro Ser Met Ile His Asp Leu Ala  
                                  1125                      1130                      1135  
 Ser Gln Ala Ala Thr Ile Cys Ser Pro Asp Phe Leu Leu Asp Ala Leu  
                                  1140                      1145                      1150  
 Glu Leu Cys Lys His Thr Leu Met Ala Val Glu Leu Ser Arg Gln Cys  
                                  1155                      1160                      1165  
 Gln Met Asp Asp Cys Gly Ile Leu Met Lys Ala Ser Phe Gly Thr His  
                                  1170                      1175                      1180  
 Lys Asp Pro Tyr Glu Glu Trp Ser Tyr Ser Asp Phe Phe Ser Glu Asp  
                                  1185                      1190                      1195                      1200  
 Gly Ile Val Leu Glu Ser Gln Met Val Leu Pro Val Ile Tyr Glu Leu  
                                  1205                      1210                      1215  
 Ile Ser Ser Leu Val Pro Leu Ala Glu Ser Lys Arg Tyr Pro Leu Glu  
                                  1220                      1225                      1230  
 Ser Thr Ser Leu Pro Tyr Cys Ser Leu Asn Glu Gly Asp Gly Leu Val  
                                  1235                      1240                      1245  
 Leu Pro Val Ile Asn Ser Ile Ser Ala Leu Leu Gln Asn Leu Gln Glu  
                                  1250                      1255                      1260  
 Ser Ser Gln Trp Glu Leu Ala Leu Arg Phe Val Val Gly Ser Phe Gly  
                                  1265                      1270                      1275                      1280  
 Thr Cys Leu Gln His Ser Val Ser Asn Phe Met Asn Ala Thr Leu Ser  
                                  1285                      1290                      1295  
 Glu Lys Leu Phe Gly Glu Thr Thr Leu Val Lys Ser Arg His Val Val

00049636 050304  
 10050 02064860



1300 1305 1310  
 Met Glu Leu Lys Glu Lys Ala Val Ile Phe Ile Arg Glu Asn Ala Thr  
 1315 1320 1325  
 Thr Leu Leu His Lys Val Phe Asn Cys Arg Leu Val Asp Leu Asp Leu  
 1330 1335 1340  
 Ala Leu Gly Tyr Cys Thr Leu Leu Pro Gln Lys Asp Val Phe Glu Asn  
 1345 1350 1355 1360  
 Leu Trp Lys Leu Ile Asp Lys Ala Trp Gln Asn Tyr Asp Lys Ile Leu  
 1365 1370 1375  
 Ala Ile Ser Leu Val Gly Ser Glu Leu Ala Ser Leu Tyr Gln Glu Ile  
 1380 1385 1390  
 Glu Met Gly Leu Lys Phe Arg Glu Leu Ser Thr Asp Ala Gln Trp Gly  
 1395 1400 1405  
 Ile Arg Leu Gly Lys Leu Gly Ile Ser Phe Gln Pro Val Phe Arg Gln  
 1410 1415 1420  
 His Phe Leu Thr Lys Lys Asp Leu Ile Lys Ala Leu Val Glu Asn Ile  
 1425 1430 1435 1440  
 Asp Met Asp Thr Ser Leu Ile Leu Glu Tyr Cys Ser Thr Phe Gln Leu  
 1445 1450 1455  
 Asp Cys Asp Ala Val Leu Gln Leu Phe Ile Glu Thr Leu Leu His Asn  
 1460 1465 1470  
 Thr Asn Ala Gly Gln Gly Gln Gly Asp Ala Ser Met Asp Ser Ala Lys  
 1475 1480 1485  
 Arg Arg His Pro Lys Leu Leu Ala Lys Ala Leu Glu Met Val Pro Leu  
 1490 1495 1500  
 Leu Thr Ser Thr Lys Asp Leu Val Ile Ser Leu Ser Gly Ile Leu His  
 1505 1510 1515 1520  
 Lys Leu Asp Pro Tyr Asp Tyr Glu Met Ile Glu Val Val Leu Lys Val  
 1525 1530 1535  
 Ile Glu Arg Ala Asp Glu Lys Ile Thr Asn Ile Asn Ile Asn Gln Ala  
 1540 1545 1550  
 Leu Ser Ile Leu Lys His Leu Lys Ser Tyr Arg Arg Ile Ser Pro Pro  
 1555 1560 1565  
 Val Asp Leu Glu Tyr Gln Tyr Met Leu Glu His Val Ile Thr Leu Pro  
 1570 1575 1580  
 Ser Ala Ala Gln Thr Arg Leu Pro Phe His Leu Ile Phe Phe Gly Thr  
 1585 1590 1595 1600  
 Ala Gln Asn Phe Trp Lys Ile Leu Ser Thr Glu Leu Ser Glu Glu Ser  
 1605 1610 1615  
 Phe Pro Thr Leu Leu Leu Ile Ser Lys Leu Met Lys Phe Ser Leu Asp  
 1620 1625 1630  
 Thr Leu Tyr Val Ser Thr Ala Lys His Val Phe Glu Lys Lys Leu Lys  
 1635 1640 1645  
 Pro Lys Leu Leu Lys Leu Thr Gln Ala Lys Ser Ser Thr Leu Ile Asn  
 1650 1655 1660  
 Lys Glu Ile Thr Lys Ile Thr Gln Thr Ile Glu Ser Cys Leu Leu Ser  
 1665 1670 1675 1680  
 Ile Val Asn Pro Glu Trp Ala Val Ala Ile Ala Ile Ser Leu Ala Gln  
 1685 1690 1695  
 Asp Ile Pro Glu Gly Ser Phe Lys Ile Ser Ala Leu Lys Phe Cys Leu  
 1700 1705 1710  
 Tyr Leu Ala Glu Arg Trp Leu Gln Asn Ile Pro Ser Gln Asp Glu Lys  
 1715 1720 1725  
 Arg Glu Lys Ala Glu Ala Leu Leu Lys Lys Leu His Ile Gln Tyr Arg

1730 1735 1740  
 Arg Ser Gly Thr Glu Ala Val Leu Ile Ala His Lys Leu Asn Thr Glu  
 1745 1750 1755 1760  
 Glu Tyr Leu Arg Val Ile Gly Lys Pro Ala His Leu Ile Val Ser Leu  
 1765 1770 1775  
 Tyr Glu His Pro Ser Ile Asn Gln Arg Ile Gln Asn Ser Ser Gly Thr  
 1780 1785 1790  
 Asp Tyr Pro Asp Ile His Ala Ala Ala Lys Glu Ile Ala Glu Val Asn  
 1795 1800 1805  
 Glu Ile Asn Leu Glu Lys Val Trp Asp Met Leu Leu Glu Lys Trp Leu  
 1810 1815 1820  
 Cys Pro Ser Thr Lys Pro Gly Glu Lys Pro Ser Glu Leu Phe Glu Leu  
 1825 1830 1835 1840  
 Gln Glu Asp Glu Ala Leu Arg Arg Val Gln Tyr Leu Leu Leu Ser Arg  
 1845 1850 1855  
 Pro Ile Asp Tyr Ser Ser Arg Met Leu Phe Val Phe Ala Thr Ser Thr  
 1860 1865 1870  
 Thr Thr Thr Leu Gly Met His Gln Leu Thr Phe Ala His Arg Thr Arg  
 1875 1880 1885  
 Ala Leu Gln Cys Leu Phe Tyr Leu Ala Asp Lys Glu Thr Ile Glu Ser  
 1890 1895 1900  
 Leu Phe Lys Lys Pro Ile Glu Glu Val Lys Ser Tyr Leu Arg Cys Ile  
 1905 1910 1915 1920  
 Thr Phe Leu Ala Ser Phe Glu Thr Leu Asn Ile Pro Ile Thr Tyr Glu  
 1925 1930 1935  
 Leu Phe Cys Ser Ser Pro Lys Glu Gly Met Ile Lys Gly Leu Trp Lys  
 1940 1945 1950  
 Asn His Ser His Glu Ser Met Ala Val Arg Leu Val Thr Glu Leu Cys  
 1955 1960 1965  
 Leu Glu Tyr Lys Ile Tyr Asp Leu Gln Leu Trp Asn Gly Leu Leu Gln  
 1970 1975 1980  
 Lys Leu Leu Gly Phe Asn Met Ile Pro Tyr Leu Arg Lys Val Leu Lys  
 1985 1990 1995 2000  
 Ala Ile Ser Ser Ile His Ser Leu Trp Gln Val Pro Tyr Phe Ser Lys  
 2005 2010 2015  
 Ala Trp Gln Arg Val Ile Gln Ile Pro Leu Leu Ser Ala Ser Cys Pro  
 2020 2025 2030  
 Leu Ser Pro Asp Gln Leu Ser Asp Cys Ser Glu Ser Leu Ile Ala Val  
 2035 2040 2045  
 Leu Glu Cys Pro Val Ser Gly Asp Leu Asp Leu Ile Gly Val Ala Arg  
 2050 2055 2060  
 Gln Tyr Ile Gln Leu Glu Leu Pro Ala Phe Ala Leu Ala Cys Leu Met  
 2065 2070 2075 2080  
 Leu Met Pro His Ser Glu Lys Arg His Gln Gln Ile Lys Asn Phe Leu  
 2085 2090 2095  
 Gly Ser Cys Asp Pro Gln Val Ile Leu Lys Gln Leu Glu Glu His Met  
 2100 2105 2110  
 Asn Thr Gly Gln Leu Ala Gly Phe Ser His Gln Ile Arg Ser Leu Ile  
 2115 2120 2125  
 Leu Asn Asn Ile Ile Asn Lys Lys Glu Phe Gly Ile Leu Ala Lys Thr  
 2130 2135 2140  
 Lys Tyr Phe Gln Met Leu Lys Met His Ala Met Asn Thr Asn Asn Ile  
 2145 2150 2155 2160  
 Thr Glu Leu Val Asn Tyr Leu Ala Asn Asp Leu Ser Leu Asp Glu Ala

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<210> 1904
<211> 197
<212> PRT
<213> Homo sapiens
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<210> 1905
<211> 202
<212> PRT
<213> Homo sapiens
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<400> 1905

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Arg	Val	Val	Ala	Lys	Asp	Gly	Leu	Lys	Leu	Gly	Ser	Gly	Pro	Ser	Ile	
			20					25					30			
Lys	Ala	Leu	Asp	Gly	Arg	Ser	Gln	Val	Ser	Thr	Pro	Arg	Phe	Gly	Lys	
		35					40					45				

Thr Phe Asp Ala Pro Pro Ala Leu Pro Lys Ala Thr Arg Lys Ala Leu  
 50 55 60  
 Gly Thr Val Asn Arg Ala Thr Glu Lys Ser Val Lys Thr Lys Gly Pro  
 65 70 75 80  
 Leu Lys Gln Lys Gln Pro Ser Phe Ser Ala Lys Lys Met Thr Glu Lys  
 85 90 95  
 Thr Val Lys Ala Lys Ser Ser Val Pro Ala Ser Asp Asp Ala Tyr Pro  
 100 105 110  
 Glu Ile Glu Lys Phe Phe Pro Phe Asn Pro Leu Asp Phe Glu Ser Phe  
 115 120 125  
 Asp Leu Pro Glu Glu His Gln Ile Ala His Leu Pro Leu Ser Gly Val  
 130 135 140  
 Pro Leu Met Ile Leu Asp Glu Glu Arg Glu Leu Glu Lys Leu Phe Gln  
 145 150 155 160  
 Leu Gly Pro Pro Ser Pro Val Lys Met Pro Ser Pro Pro Trp Glu Ser  
 165 170 175  
 Asn Leu Leu Gln Ser Pro Ser Ser Ile Leu Ser Thr Leu Asp Val Glu  
 180 185 190  
 Leu Pro Pro Val Cys Cys Asp Ile Asp Ile  
 195 200

<210> 1906  
 <211> 464  
 <212> PRT  
 <213> Homo sapiens

<400> 1906  
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 His Ile Arg Asn Lys Leu Leu Thr Gly Ala Asp Gly Lys Asn Leu Ser  
 20 25 30  
 Lys Ser Asp Phe Leu Pro Asn Pro Lys Pro Glu Val Leu Tyr Met Ile  
 35 40 45  
 Tyr Met Arg Ala Leu Gln Leu Val Tyr Gly Val Arg Leu Glu His Phe  
 50 55 60  
 Tyr Met Met Pro Val Asn Ile Glu Val Met Tyr Pro His Ile Met Glu  
 65 70 75 80  
 Gly Phe Leu Pro Val Ser Asn Leu Phe Phe His Leu Asp Ser Phe Met  
 85 90 95  
 Pro Ile Cys Arg Val Asn Asp Phe Glu Ile Ala Asp Ile Leu Tyr Pro  
 100 105 110  
 Lys Ala Asn Arg Thr Ser Arg Phe Leu Ser Gly Ile Ile Asn Phe Ile  
 115 120 125  
 His Phe Arg Glu Thr Cys Leu Glu Lys Tyr Glu Glu Phe Leu Leu Gln  
 130 135 140  
 Asn Lys Ser Ser Val Asp Lys Ile Gln Gln Leu Ser Asn Ala His Gln  
 145 150 155 160  
 Glu Ala Leu Met Lys Leu Glu Lys Leu Asn Ser Val Pro Val Glu Glu  
 165 170 175  
 Gln Glu Glu Phe Lys Gln Leu Lys Asp Asp Ile Gln Glu Leu Gln His  
 180 185 190  
 Leu Leu Asn Gln Asp Phe Arg Gln Lys Thr Thr Leu Leu Gln Glu Arg  
 195 200 205



Glu Gly His Leu Arg Val Val Glu Phe Leu Val Lys His Thr Ala Ser  
           115                          120                          125  
 Asn Val Gly His Arg Asn His Lys Gly Asp Thr Ala Cys Asp Leu Ala  
           130                          135                          140  
 Arg Leu Tyr Gly Arg Asn Glu Val Val Ser Leu Met Gln Ala Asn Gly  
 145                          150                          155                          160  
 Ala Gly Gly Ala Thr Asn Leu Gln  
                           165

<210> 1908  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 1908  
 Met Glu Pro Ala Ala Gly Ser Ser Met Glu Pro Ser Ala Asp Trp Leu  
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 Ala Thr Ala Ala Ala Arg Gly Arg Val Glu Glu Val Arg Ala Leu Leu  
                           20                          25                          30  
 Glu Ala Gly Ala Leu Pro Asn Ala Pro Asn Ser Tyr Gly Arg Arg Pro  
                           35                          40                          45  
 Ile Gln Val Met Met Met Gly Ser Ala Arg Val Ala Glu Leu Leu Leu  
                           50                          55                          60  
 Leu His Gly Ala Glu Pro Asn Cys Ala Asp Pro Ala Thr Leu Thr Arg  
                           65                          70                          75                          80  
 Pro Val His Asp Ala Ala Arg Glu Gly Phe Leu Asp Thr Leu Val Val  
                           85                          90                          95  
 Leu His Arg Ala Gly Ala Arg Leu Asp Val Arg Asp Ala Trp Gly Arg  
                           100                          105                          110  
 Leu Pro Val Asp Leu Ala Glu Glu Leu Gly His Arg Asp Val Ala Arg  
                           115                          120                          125  
 Tyr Leu Arg Ala Ala Ala Gly Gly Thr Arg Gly Ser Asn His Ala Arg  
                           130                          135                          140  
 Ile Asp Ala Ala Glu Gly Pro Ser Asp Ile Pro Asp  
 145                          150                          155

<210> 1909  
 <211> 125  
 <212> PRT  
 <213> Homo sapiens

<400> 1909  
 Met Lys Lys Ser Gly Val Leu Phe Leu Leu Gly Ile Ile Leu Leu Val  
                           5                          10                          15  
 Leu Ile Gly Val Gln Gly Thr Pro Val Val Arg Lys Gly Arg Cys Ser  
                           20                          25                          30  
 Cys Ile Ser Thr Asn Gln Gly Thr Ile His Leu Gln Ser Leu Lys Asp  
                           35                          40                          45  
 Leu Lys Gln Phe Ala Pro Ser Pro Ser Cys Glu Lys Ile Glu Ile Ile  
                           50                          55                          60  
 Ala Thr Leu Lys Asn Gly Val Gln Thr Cys Leu Asn Pro Asp Ser Ala  
                           65                          70                          75                          80

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<210> 1910
<211> 931
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (1)...(931)
<223> n = A,T,C or G
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gttcctttcta	cttggggatc	atgcagagag	cttcrcgtct	gaagagagag	ctgcacatgt	180	
tagccacaga	gccaccccca	ggcatcacat	gttggaaga	taaagaccaa	atggatgacc	240	
tgcgagctca	aatattaggt	ggagccaaca	caccttatga	gaaaggtgtt	tttaagctag	300	
aagtatcat	tcctgagagg	taccattttg	aacctcctca	gatccgattt	ctcactccaa	360	
tttatcatcc	aaacattgat	tctgctggaa	ggatttgtct	ggatgttctc	aaattgccac	420	
caaaaggtgc	ttggagacca	tccctcaaca	tgcgaactgt	gttgacctct	attcagctgc	480	
tcatgtcaga	acccaacctt	gatgacccgc	tcatggtgta	catatcctca	gaatttaaat	540	
ataataagcc	agccttcctc	aagaatgcc	gacagtggac	agagaagcat	gcaagacaga	600	
aacaaaaggc	tgatgaggaa	gagatgcttg	ataatctacc	agaggctgg	gactccagag	660	
tacacaactc	aacacagaaa	aggaaggcca	gtcagctagt	aggcatagaa	aagaaatttc	720	
atcctgatgt	ttaggggact	tgtcctgggt	catcttagtt	aatgtgttct	ttgccaaggt	780	
gatctaagtt	gcctacacct	aatttttttt	taaatatatt	tgatgacata	atttttgtgt	840	
agttatttta	tcttgatcat	atgtattttt	aaatctttta	aacctgaaaa	ataaatagtc	900	
atttaattgt	aaaaaaaaaa	aaaaaaaaaa	a			931	

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<210> 1911
<211> 27
<212> DNA
<213> Artificial Sequence
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<220>  
<223> Primer

<400> 1911  
gctaaagggtg accccaagaa accaaag

27

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<210> 1912
<211> 37
<212> DNA
<213> Artificial Sequence
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<220>  
<223> Primer

<400> 1912  
ctattaactc gagggagaca gataaacagt ttcttta

37

<210> 1913  
<211> 209  
<212> PRT  
<213> Homo sapiens

<400> 1913  
Met Gln His His His His His Ala Lys Gly Asp Pro Lys Lys Pro  
                  5                  10                  15  
Lys Gly Lys Met Ser Ala Tyr Ala Phe Phe Val Gln Thr Cys Arg Glu  
          20                  25                  30  
Glu His Lys Lys Lys Asn Pro Glu Val Pro Val Asn Phe Ala Glu Phe  
          35                  40                  45  
Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Gly Lys Glu Lys  
          50                  55                  60  
Ser Lys Phe Asp Glu Met Ala Lys Ala Asp Lys Val Arg Tyr Asp Arg  
          65                  70                  75                  80  
Glu Met Lys Asp Tyr Gly Pro Ala Lys Gly Gly Lys Lys Lys Lys Asp  
          85                  90                  95  
Pro Asn Ala Pro Lys Arg Pro Pro Ser Gly Phe Phe Leu Phe Cys Ser  
          100                  105                  110  
Glu Phe Arg Pro Lys Ile Lys Ser Thr Asn Pro Gly Ile Ser Ile Gly  
          115                  120                  125  
Asp Val Ala Lys Lys Leu Gly Glu Met Trp Asn Asn Leu Asn Asp Ser  
          130                  135                  140  
Glu Lys Gln Pro Tyr Ile Thr Lys Ala Ala Lys Leu Lys Glu Lys Tyr  
          145                  150                  155                  160  
Glu Lys Asp Val Ala Asp Tyr Lys Ser Lys Gly Lys Phe Asp Gly Ala  
          165                  170                  175  
Lys Gly Pro Ala Lys Val Ala Arg Lys Lys Val Glu Glu Glu Asp Glu  
          180                  185                  190  
Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Asp Glu  
          195                  200                  205

<210> 1914  
<211> 624  
<212> DNA  
<213> Homo sapiens

<400> 1914  
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gtccctgtca attttgcgga attttccaag aagtgtctctg agaggtggaa gacgatgtcc 180  
gggaaagaga aatctaaatt tgatgaaatg gcaaaggcag ataaagtgcg ctatgatcgg 240  
gaaatgaagg attatggacc agctaaggga ggcaagaaga agaaggatcc taatgctccc 300  
aaaaggccac cgtctggatt cttcctgttc tgttcagaat tccgccccaa gatcaaattcc 360  
acaaaccccg gcattcttat tggagacgtg gcaaaaaagc tgggtgagat gtggaataat 420



```
<210> 1915
<211> 28
<212> DNA
<213> Artificial Sequence
```

<400> 1915  
qtgacgatgg aggagctgcg ggagatgg

28

```
<210> 1916
<211> 30
<212> DNA
<213> Artificial Sequence
```

<220>  
<223> Primer

```
<400> 1916
cgcctaactc gagtcactaa cagctgggag
```

30

```
<210> 1917
<211> 403
<212> PRT
<213> Homo sapiens
```

<400> 1917																
Met	Gln	His	His	His	His	His	His	Val	Thr	Met	Glu	Glu	Leu	Arg	Glu	
				5					10					15		
Met	Asp	Cys	Ser	Val	Leu	Lys	Arg	Leu	Met	Asn	Arg	Asp	Glu	Asn	Gly	
			20					25					30			
Gly	Gly	Ala	Gly	Gly	Ser	Gly	Ser	His	Gly	Thr	Leu	Gly	Leu	Pro	Ser	
		35					40					45				
Gly	Gly	Lys	Cys	Leu	Leu	Leu	Asp	Cys	Arg	Pro	Phe	Leu	Ala	His	Ser	
	50					55					60					
Ala	Gly	Tyr	Ile	Leu	Gly	Ser	Val	Asn	Val	Arg	Cys	Asn	Thr	Ile	Val	
65					70					75					80	
Arg	Arg	Arg	Ala	Lys	Gly	Ser	Val	Ser	Leu	Glu	Gln	Ile	Leu	Pro	Ala	
				85					90					95		
Glu	Glu	Glu	Val	Arg	Ala	Arg	Leu	Arg	Ser	Gly	Leu	Tyr	Ser	Ala	Val	
			100					105					110			
Ile	Val	Tyr	Asp	Glu	Arg	Ser	Pro	Arg	Ala	Glu	Ser	Leu	Arg	Glu	Asp	
		115					120					125				
Ser	Thr	Val	Ser	Leu	Val	Val	Gln	Ala	Leu	Arg	Arg	Asn	Ala	Glu	Arg	
	130					135					140					
Thr	Asp	Ile	Cys	Leu	Leu	Lys	Gly	Gly	Tyr	Glu	Arg	Phe	Ser	Ser	Glu	

```
<210> 1918
<211> 1209
<212> DNA
<213> Homo sapiens
```

<400> 1918						
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cggcgggcggg	ctaagggctc	cgtgagcctg	gagcagatcc	tgcccgccga	ggaggaggta	300
cgcgcccgtc	tgcgctccgg	cctctactcg	gcggtcatcg	tctacgacga	gcgcagcccg	360
cgcgcgcgaga	gcctccgcga	ggacagcacc	gtgtcgctgg	tggtgcaggc	gctgcgcgcg	420
aacgcgcgagc	gcaccgacat	ctgcctgtct	aaaggcggct	atgagagggt	ttcctccgag	480
taccagaat	tctgttctaa	aaccaaggcc	ctggcagcca	tcccaccccc	ggttcccccc	540
agtgccacag	agcccttgga	cctgggctgc	agctcctgtg	ggaccccact	acacgaccag	600
gggggtcctg	tggagatcct	tcccttcctc	tacctcgcca	gtgcctacca	tgctgccccg	660
agagacatgc	tggagccctt	gggcatacag	gctctgttga	atgtctcctc	ggactgcccc	720
aaccactttg	aaggacacta	tcagtacaag	tgcattccag	tggaaagataa	ccacaaggcc	780
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```
<210> 1919
<211> 23
<212> DNA
<213> Artificial Sequence
```

<400> 1919  
cggtgccacg cccatggacc ttc 23

<220>  
<223> Primer

<400> 1920  
ctgagaattc attaaacttg tggttgctct tcacc 35

```
<210> 1921
<211> 169
<212> PRT
<213> Homo sapiens
```

<400> 1921																
Met	Gln	His	His	His	His	His	His	His	Arg	Cys	His	Ala	His	Gly	Pro	Ser
				5						10					15	
Cys	Leu	Val	Thr	Ala	Ile	Thr	Arg	Glu	Glu	Gly	Gly	Pro	Arg	Ser	Gly	
			20					25					30			
Gly	Ala	Gln	Ala	Lys	Leu	Gly	Cys	Cys	Trp	Gly	Tyr	Pro	Ser	Pro	Arg	
		35					40					45				
Ser	Thr	Trp	Asn	Pro	Asp	Arg	Arg	Phe	Trp	Thr	Pro	Gln	Thr	Gly	Pro	
	50					55					60					
Gly	Glu	Gly	Arg	His	Glu	Arg	His	Thr	Gln	Thr	Gln	Asn	His	Thr	Ala	
	65				70					75					80	
Ser	Pro	Arg	Ser	Pro	Val	Met	Glu	Ser	Pro	Lys	Lys	Lys	Asn	Gln	Gln	
				85					90					95		
Leu	Lys	Val	Gly	Ile	Leu	His	Leu	Gly	Ser	Arg	Gln	Lys	Lys	Ile	Arg	
			100					105					110			
Ile	Gln	Leu	Arg	Ser	Gln	Cys	Ala	Thr	Trp	Lys	Val	Ile	Cys	Lys	Ser	
			115				120					125				

Cys Ile Ser Gln Thr Pro Gly Ile Asn Leu Asp Leu Gly Ser Gly Val  
 130 135 140  
 Lys Val Lys Ile Ile Pro Lys Glu Glu His Cys Lys Met Pro Glu Ala  
 145 150 155 160  
 Gly Glu Glu Gln Pro Gln Val  
 165

<210> 1922  
 <211> 507  
 <212> DNA  
 <213> Homo sapiens

<400> 1922  
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 tggtgggggt atccgagtc cagaagcacc tggaaccccg acagaagatt ctggactccc 180  
 cagacgggac caggagaggg acggcatgag cgacacacac aaacacagaa ccacacagcc 240  
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 atcctacacc tgggcagcag acagaagaag atcaggatac agctgagatc ccagtgcgcg 360  
 acatggaagg tgatctgcaa gagctgcac agtcaaacac cggggataaa tctggatttg 420  
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 ggtgaagagc aaccacaagt ttaatga 507

<210> 1923  
 <211> 3192  
 <212> DNA  
 <213> Homo sapiens

<400> 1923  
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 agaagagtgt ccagaggata ccaatgccag atgcactctg agttacactc agcactcgca 180  
 gtatgagaca ttgtgtgcca gcatctcttt ccttctggca aagactgtag ctctccaggt 240  
 aggaggatcc tggaaactgt gagcaccagg agccttgcca gaggaggatg gggccagata 300  
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 cagaaactcc atctggactc ggatgctttt actgaagacc catctagctt caatcatctt 660  
 tagagtccat ccattctgga gagacctggc gtttgagctt gcctcctgtg gccgtgtttt 720  
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 gaaaggaatg gagaccatta tggatgatga ggtgacaaag agattctcag cagaagaact 1320  
 ggagtcttg aacctgctga gcagaaccaa ttataacttc cagtacatca gccttcgggt 1380

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gccaaatggg aggtttaagg agttcatgag taaacatgtt cacttaatgt gttaccggat 1560
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tgaaaaaaaaa aa 3192

```

<210> 1924

<211> 2048

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(2048)

<223> n = A,T,C or G

<400> 1924

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ggtagcttca gagcctccag tgctgtggg gctggagggt aagttggggg cctggtgct 180
gctgctgggt ctcacctcc tctgcagcct tggttccatc ggtgtgctgc gccggacagg 240
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gcagcattgg catgatgggc caggggtccc acaggcgagt ggagccccag caacccccctc 600
agccttgctg gcctgtgtac tgggtgtctc cctggccctc cactccgtgt tcgaggggct 660

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ggcggtaggg ctgcagcgag accgggctcg ggccatggag ctgtgcctgg ctttgctgct 720  
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 gctgccaaaa cattttttta aatacacccg aggagcccaa gggggaaggg caatgcctac 1920  
 cccagcgtt atttttgggg agggagggt gtgcataggg acatattctt tagaatctat 1980  
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<210> 1925

<211> 456

<212> PRT

<213> Homo sapiens

<400> 1925

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			20						25					30	
Pro	Ala	Ile	Phe	Gly	Val	Ser	Phe	Gly	Ile	Arg	Lys	Leu	Tyr	Met	Lys
		35					40					45			
Ser	Leu	Leu	Lys	Ile	Phe	Ala	Trp	Ala	Thr	Leu	Arg	Met	Glu	Arg	Gly
	50					55				60					
Ala	Lys	Glu	Lys	Asn	His	Gln	Leu	Tyr	Lys	Pro	Tyr	Thr	Asn	Gly	Ile
	65				70				75					80	
Ile	Ala	Lys	Asp	Pro	Thr	Ser	Leu	Glu	Glu	Glu	Ile	Lys	Glu	Ile	Arg
			85					90					95		
Arg	Ser	Gly	Ser	Ser	Lys	Ala	Leu	Asp	Asn	Thr	Pro	Glu	Phe	Glu	Leu
		100						105					110		
Ser	Asp	Ile	Phe	Tyr	Phe	Cys	Arg	Lys	Gly	Met	Glu	Thr	Ile	Met	Asp
	115					120					125				
Asp	Glu	Val	Thr	Lys	Arg	Phe	Ser	Ala	Glu	Glu	Leu	Glu	Ser	Trp	Asn
	130					135					140				
Leu	Leu	Ser	Arg	Thr	Asn	Tyr	Asn	Phe	Gln	Tyr	Ile	Ser	Leu	Arg	Leu
145					150				155					160	
Thr	Val	Leu	Trp	Gly	Leu	Gly	Val	Leu	Ile	Arg	Tyr	Cys	Phe	Leu	Leu
			165					170					175		
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<400> 1926																
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Val	Ala	Ser	Glu	Pro	Pro	Val	Pro	Val	Gly	Leu	Glu	Val	Lys	Leu	Gly	
			20					25					30			
Ala	Leu	Val	Leu	Leu	Leu	Val	Leu	Thr	Leu	Leu	Cys	Ser	Leu	Gly	Ser	
		35					40					45				
Ile	Gly	Val	Leu	Arg	Arg	Thr	Gly	Ala	Asn	His	Glu	Gly	Ser	Ala	Ser	
	50					55					60					
Arg	Gln	Lys	Ala	Leu	Ser	Leu	Val	Ser	Cys	Phe	Ala	Gly	Gly	Val	Phe	
	65				70					75					80	
Leu	Ala	Thr	Cys	Leu	Leu	Asp	Leu	Leu	Pro	Asp	Tyr	Leu	Ala	Ala	Ile	

															85			90			95		
Asp	Glu	Ala	Leu	Ala	Ala	Leu	His	Val	Thr	Leu	Gln	Phe	Pro	Leu	Gln								
			100			105			110														
Glu	Phe	Ile	Leu	Ala	Met	Gly	Phe	Phe	Leu	Val	Leu	Val	Met	Glu	Gln								
			115			120			125														
Ile	Thr	Leu	Ala	Tyr	Lys	Glu	Gln	Ser	Gly	Pro	Ser	Pro	Leu	Glu	Glu								
			130			135			140														
Thr	Arg	Ala	Leu	Leu	Gly	Thr	Val	Asn	Gly	Gly	Pro	Gln	His	Trp	His								
145				150			155			160													
Asp	Gly	Pro	Gly	Val	Pro	Gln	Ala	Ser	Gly	Ala	Pro	Ala	Thr	Pro	Ser								
			165			170			175														
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			195			200			205														
Glu	Leu	Cys	Leu	Ala	Leu	Leu	Leu	His	Lys	Gly	Ile	Leu	Ala	Val	Ser								
			210			215			220														
Leu	Ser	Leu	Arg	Leu	Leu	Gln	Ser	His	Leu	Arg	Ala	Gln	Val	Val	Ala								
225				230			235			240													
Gly	Cys	Gly	Ile	Leu	Phe	Ser	Cys	Met	Thr	Pro	Leu	Gly	Ile	Gly	Leu								
			245			250			255														
Gly	Ala	Ala	Leu	Ala	Glu	Ser	Ala	Gly	Pro	Leu	His	Gln	Leu	Ala	Gln								
			260			265			270														
Ser	Val	Leu	Glu	Gly	Met	Ala	Ala	Gly	Thr	Phe	Leu	Tyr	Ile	Thr	Phe								
			275			280			285														
Leu	Glu	Ile	Leu	Pro	Gln	Glu	Leu	Ala	Ser	Ser	Glu	Gln	Arg	Ile	Leu								
			290			295			300														
Lys	Val	Ile	Leu	Leu	Leu	Ala	Gly	Phe	Ala	Leu	Leu	Thr	Gly	Leu	Leu								
305				310			315			320													
Phe	Ile	Gln	Ile																				